STIC Search Report Biotech-Chem Library

barbara.obryen@uspto.gov

Location: Biotech-Chem Library

Phone: 308-4291

From: Barb O'Bryen

CM1-6A05





Location: o 8E03; m 8E12 TO: Anne Holleran

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Tuesday, July 08, 2003

Case Serial Number: 09/822295

Search Notes







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Scoring table: Sequences

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These substances are used to treat or prevent diseases associated with advermal signal transduction pathways that involve the proteins, particularly cancer (e.g. leuksemia and lymphoma), while modulators of ALK-7 (which is a type i receptor serine/threenine kinase) are used to promote neuronal survival, particularly for treating Alzheimer's, Parkinson's or Huntington's diseases. Nucleic acid fragments of the polynucleotides encoding the proteins can be used as probes to identify and clone related sequences; to detect profein-encoded RNA; to generate
                                                                                                                   The present invention describes isolated, enriched or purified nucleic acids enceding PPPO4, SAD, PPPO5, PTPO5, A.P. and ALK. 7, PETCHISS. The above proteins, other than ALK. 7, are protein tyrosine phosphatases (PTPs) and are used to identify substances that modulate their activity
                                                                                                                                                                                                                                                                         transgenic animals and in gene therapy (optionally after mutation). Ab are used to determine the proteins. The present sequence represents a human PTP04 peptide from the present invention.
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                                                                                                                                                                                                                                                                                                      The present invention provides the protein and coding sequences of human tyrostic phosphatasa help. The protein is expressed in human normal suprarenal tissue. The present sequence is the protein of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    The present invention describes isolated, enriched or purified nucleic devide concornant processors. SAD, PTPUS, PIPIO, ALP and ALK-7 profeins. The present sequence represents human by a "The above proteins, other than ALK ), are protein tyrosine phospiatases (PTPS) and are used to identify abbstances that modulate their activity (i.e. agonists and antaqonists, ancluding NBP) in vivo or in vitro, these substances are used to treat or prevent diseases associated with abnormal signal transduction pullways that involve the proteins, particularly cancer (e.g. leukaemia and symphoma), while modulators at ALK-7 (Which is a type I receptor
                                                                                                                                                                                                                                                                                                                                      PTP04: PTP05; PTP10, SAD; ALP; ALK-7: protein tyrosine phosphatase; type I receptor serine/throsing kinase, cancer: leuk.comin: Tymphoma; nourodeacenerative disease, centeri surgerval, Althoma; subsease; Puntington's disease.
                                                                                                                                                  Gaps
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us also pred, No. 2.3e-1.5;
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serine/ihreonine kinaso) are used to promote be trend soring;
particularly for treating Alzheimer's, Parkinson's Finasinaria's
diseases. Nucleic acid frameworks of the polynocher tises consider the
proteins can be used as probes to locurity and electric acided sequences
to detect protein-encoded KNA; to accepte the assembly acided sorphisms
gene therapy (optionally after mutation). As are used to decemble the
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//Aote- "Unique sequence recommised by plasplantynasma-
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Pred. No. 2.48(13.)
3. Mismatches a
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                                                                                                                                                                                           New nucleic acid encoding intracellular tyrosine phosphatase and related proteins, used to modulate signalling through F \,\mathrm{cells}, particularly as immunosuppressant
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         cuery March 96.0%; Score 148.5; DB 20; Lonath 808; Bost Local Similarity 96.8%; Prod. No. 2.46-13;
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                                                                                                                                     (BYSE ) HYSEC INC
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Lacal Similarity 61.3%: Fred. No. 0.000227
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Matches 12; Conservative
New isolated polynucleotide and encoded proypoptides, useful in
                                                         N-PSDb; AAS69174.
                                                                           WPI: 2001-639362/73.
                                                                                                                     Drmanac RT, Liu C.
                                                                                                                                                            (HYSE ) HYSEQ INC
                                                                                                                                                                                                   31-MAR-2000; 2000US-0540217
23-AUG-2000; 2000US-0649167
                                                                                                                                                                                                                                                                                                                                                                                                                                Human; chromosome mapping; gene mapping; deno therapy; forensic; food supplement; medical imaging; cfarmostle; genetic disorder.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                diagnostics, forensics, dene mapping identification of mutations responsible for genetic disorders or other trains to assess blocks we and to produce other types of data and products dependent on DNA and amino acid sequences. ABGC0010-ABGC0.077 represent movel indian diagnostic amino acid sequences of the invention.

Note: The sequence data for this patent did not appear in the printed specification, but was obtained in electronic formula directly from Wilson in the printed at fift. Wilson interpublished_pet_sequences.
                                                                                                                                                                                                                                                                   30-MAR-2001, 2001WO-US08631
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                                                                                                                                                                                                                                                                                                                                                                                                Homo sapiens
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             to restore normal activity of (II) or to treat disease states involving (II). (II) is useful for generating antibodies against it, detecting or quantitating a polypeptide in tissue, as molecular weight markers and as a food consistency.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The invention relates to isolated polymurlectide (1) and polymeptide (11) sequences. (1) is useful as hybridisation probes, polymorase chain reaction (PGN) primors, officements, and for chromosome and gene mapping, and in recombinant production of (11). The
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         polymicleotides are also used in disummetime as expressed requeree thats for identifying expressed genes. (1) is useful in gene therapy techniques
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                                               the invention relates to isolated polynucleotide (1) and importate (11) sequences. (1) is useful as hybridisation probes, is useful as hybridisation probes, is useful as expensive chair recent in the production of (11). The invention of (11) and in recent hant production of (11). The invention of (13) are also used in diamostics as expressed sequence last in the fitting of expressed sequences. (1) is useful in gene therapy techniques in restore natural activity of (11) or to treat disease states involving
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                  protein or gene therapy. The arms are isolated from a came of homes dissues disclosed in the specification. The modele acids, proteins, autibadies and (ant)anousts are sectif in the acamassis, treathest and prevention of: (a) cancer, e.g. breast and scatian cancer, and other cancers of the adjected flamb, hone marrow, breast questrointestinal tract, liver, line, or prodestfial: (b) immune disorders e.g. Addison's discusse, a lordies, actolumne harms(yth)
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r.	3	1.7	1323	4	us-09-770-170-2	v

Query Match

Best Local Similarity

100.0%;

Score 165; DB 4; Length 31; Pred. No. 3.5e-19;

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APPLICANT: Rabija Jallal

APPLICANT: Gregory D. Plowman

APPLICANT: Gre
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                                                                                                                                                                                                                                                                                                                                                                                                     EFFERENCE, FOCKET NUMBER: 2.4,725  
TELECOMMUNICATION INFORMATION: TELEPHONE: (213) 489-1600  
TELEPAX: (213) 955-0440  
TELEX: 67-3510
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OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: FastSEO for Windows 2.0
CURRENT APPLICATION DATA:
APPLICATION NUTHER PS/79/081, 35
                                           MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                        SEQUENCE CHARACTERISTICS:
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PRIOR APPLICATION DATA:
PRIOR APPLICATION NUMBER: 60/047
PILING DATE: May 20, 1997
AITSERBY/AGENT INFORMATION:
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MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
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CITY: Los Angeles
STATE: Calife
                                                                                             TYPE: amino acid STRANDEDNESS: single TOPOLOGY: linear
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HS 09 069-023-31
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: Sequence 0, Application US/09069023A
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US-09:081-445-18
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APPLICANT: Nuteral Nathice
APPLICANT: Resert, Takeyoshi
PITTE OF INVERTION: COMPOSITIONS AND METHODS POR IDDRETTING APOPTOSIS
FITTE OF INVERTION: COMPOSITIONS AND METHODS POR IDDRETTING APOPTOSIS
FITTE REPERENCE: HM 04/4/3
CURRENT FILLNG DATE: 1998/04/27
RUMBER OF SINCIPLES: 08
NOTE: 1998/04/27
RUMBER OF SINCIPLES: 08
Chery Match (2.1%) Score 53: 108 4
Host Local Similarity (58.6%) Prod. No. 1.5;
Matches 15; Conservative I: Mismatches
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TELEX: (213) 955-04400
TELEX: 67-4810
TELEX: 107-4810
                                                                                                             ORGANISM: Mas musculus
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RECLING NUMBER: 22,727
REPENDING NUMBER: 247,75
REPENDING NORTH WOMEN: 147,75
TELECOMMUNICATION IN GRAAT N:
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FILING DATE: May 20, 1997
AUTORNITY/AGENT INFORMATION:
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CLASS EPECATION DATA:
PRIOR APPLICATION NUMBER: 60/297,222
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COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM D.C
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STREEL: Suite 4700
CITY: Los Angeles
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Hest Local Similarity 44.0%; Prod. No. 19:
Matches 11; Consorration 3; Mismatches
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                                                                                                                                                               APPLICANT: Macmura, Koji
APPLICANT: Hsieh, Chung-mind
TITLE OF INVENTION: METHODS OF MEDULATING OF ANCHORENESIS
FILE REFERENCE: 05433/057001
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                                                                                                                       CURRENT APPLICATION NUMBER: U8/09/174.454 CURRENT FILING DATE: 1999-08-13
                     SOFTWARE: FastSEO for Windows Version 4.0
                                          EARLIER FILING DATE: 199
NUMBER OF SEQ ID NOS: 22
                                                                                               BARLIER APPLICATION NUMBER: US 60/096,515
                                                                                                                                                                                                                                                                       APPLICANT: Lee, Mu-En
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NUMBER OF SEQ ID NOS: 14
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EARLIER APPLICATION NUMBER: 08/843,209
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Missing to these
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: ORGANISM: Stroptomyces venochało DS (69 \cdot 105) \cdot (6.47 \cdot 31)
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: ORGANISM. Streptomyces venezuelae
US 09 320-878-1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              : SOFTWARE: Patentln Ver. 2.0 : SEQ ID NO 1
                                                                                                               Ouery Match 30.0%; Score 49.5; DB 4; Length 4613; Best Local Similarity 47.6%; Pred. No. 2.6e-02; Matches 10; Conservative 4; Mismatches 6; Indels 1
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APPLICANT: Liu, H.
APPLICANI: Xue, Y.
APPLICANI: Xue, Y.
APPLICANI: Zhao, L.
APPLICANI: Zhao, L.
FILE OF INVENTION: DNA encoding methymycin and pikromycin
FILE REFERENCE: 600.438081
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EARLIER FILING DATE: 1999-02-08
EARLIER AFFLICATION NUMBER: 60/100,880
EARLIER FILING DATE: 1998-09-22
EARLIER APPLICATION NUMBER: 60/087,080
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EARLIER PILING DATE: 1998-08-28
EARLIER APPLICATION NUMBER: CIP OF 09/073,548
EARLIER FILING DATE: 1998-05-06
EARLIER APPLICATION NUMBER: CIP OF 08/846,247
EARLIER FILING BATE: 1997-04-40
                                                                                                                                                                                                                                                                                                                                                                                                               CURRENT APPLICATION NUMBER: US/09/105,537A
CURRENT FILING DATE: 1598-06-26
NUMBER OF SEQ ID NOS: 4×
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APPLICANT: BETLACH, Melanie C.
APPLICANT: BETLACH, Mary C.
                                                                                                                                                                                                                                                                                            LAG : BdAJ
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RESULT 11 US-09 105 547-6

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LENGTH: 3-7 amino acid
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MESTER TYPE: Diskette
**MESTER: HAM **Ompatible
**GERATIN: SYSTEM: DOS
**SHEWARE: FASISED LOT WELDOWS Version 2.0
**TORENT APPLICATION DATA:
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Maximum Match 1008
idsilna first 45 summaries
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Find. No. is the number of results predicted by chance to have a sense director than or equal to the score of the result being printed, and is defined by unalysis of the total score distribution.

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_	143.5	87.	يد حد 	Φ	CS-10-102-806-505	SOURCE SON App
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.2.	43.5	***	45 8	£	DS-10-177-293-428	Sequence 428, App
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US-10-142-355-11	US-10-005 568 4	US-09-211-424 2	US-09-866-050A-678	US-10-023-282-672	US-09-825-561A 82	UC-09-312 153 212	US-10-101-464A-823	US-09-864-761-48266	US-09-864 761 4:837	UST-09-813-153-211	US-10-026-021-2	US-09-738-626-5637	US-10-205-032-10	118 - 09 · 945 - 743A - 41	US 05 388 384B 6	1 555 1 Je 10 54	US 09 3 % 821 6	53 00 340 346 6	US-09-861 289-31	08-09-836-821 37	U.S0.5-938-384B-31	US 0'8 850 845 41	08-09-793-706-1	88 10 001 843 173	US 03-740-027-4
Sequence it. Appl	Sequence 4. Aroli	Sequence L. Appli	Sequence 678, App	Sequence 672. App	Sequence 82, Appl	Sequence 212, App	Sequence 823, App	Sequence 48266, A	Sequence 43837, A	Sequence 211. App	Sequence 2, Appli	Sequence 5537, Ap	Sequence 13, Appl	Sequence 1, Appl	Sequence 6, Appli	State of Special	Sequence 6, Appli	Section of the application	Sequence 31. April	Sequence 31, Appl	Sequence 41, Appl	Sequence (i. Appl	Sequence 1, Appli	Sequence 125. App	Sequence 4. Appli

ALIGNMENTS

RESULT 1

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Ct 0+820-295-15
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Patcet No. 9823020119501A1
GENERAL INFORMATION:
                   EEFERENCE/TOCKET NUMBER. 1.3/25 (
TELECOMMUNICATION INFORMATION: TELEPIONE: (213) 489 1600
TELEFAX: (213) 955-0440
TELEFAX: 67-3510
INFORMATION FOR SEQ 1D NO: 15:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COHNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette: 1.44 Mb
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CORRESPONDED A LYON
ACRES OF SEQUENCES: 18
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APPLICATION NUMBER:
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FILING DATE: 02-Apr-2001
CLASSIPICATION: Unknown>
                                                                                                                                                                         NAME: Warburg, Richard J. PEGISTPATION NUMBER: 32,327
                                                                                                                                                                                                                                              APPLICATION NUMBER: (9/08), 445 FILING DATE: <Unknown>
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STATE: California
LENGTH: 31 amino acids
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SEQ TO NO 606
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Best Local's
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PRIOR FILING DATE: 2001-98-10
PRIOR APPLICATION NOMBOR, 101/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CURRENT FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PRIOR APPLICATION NUMBER: 60/124,270
PRIOR FILING DATE: 1999-03-12
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LOCATION: (285)
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Local Similarity 93.5%; Prod. No. 2.7e 12;
hes 29; Conservative 0; Mismatches 1; Indels 1;
                      PRIOR APPLICATION DATA:
APPLICATION NUMBER 09/081, 445
FILING DATE: *Unknown ·
                                                                                                             CONTROL APPLICATION DATA:
APPLICATION WOMEN: 02/07/8/22/295
FILON: DATE: 02 Apr. 2001
                                                                                                                                                                                                                                                                                         ZIP: 98071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" DISKOTTO, 1.44 ME
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CORRECTORDING ADDRESS: 18
ADDRESSEE: Lyon & Lyon
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TITLE OF INVENTIONS DIAGNOSIS AND INCAINENT OF
ALTORNEY/ACTINI INFORMAT ON
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                                                                                                                                                                                  COMPUTER: IBM Compatible
OFENATING SYSTEMS TRM Fig. Dos 5.0
SSETWARE: Fast SEQ for Windows 2.0
                                                                                                 CLASSIFICATION: Unknown -
                                                                                                                                                                                                                                                                                                                                                                   COUNTRY: U.S.A.
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                                                                                                                                                                                                                                                                                                                                                                                          California
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Folditation No. 05/05032411:Al
William Land American
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                                                                                                                                                                                                                                                           SECTENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                  REFERENCE/TO A.B.E. NOMBELO: PE-0519 US
THEED OMIGNICATION IND RMATION:
THEOPHONE: 650-855-0555
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CORRESPONDENCE ADDRESS:
                                                                                               TAMEDIALE SOFT
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HELEPAX: (218) 985-0440

TELEX: (7-3510

NEGRNATION FOR SEQ ID NO: 18:

SEQUENCE CHARACIEKISTICS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME: Terrone, Mich
REGISTRATION NUMBER:
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Docal Similarity 61.38;
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SECTION DESCRIPTION: SEQ ID NO: 18:
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Gwedier, Karl J.
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Pred. No. 0 00049;
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CURRENT FILING DATE: 2001-10-25
PRIOR APPLICATION NUMBER: PARLIER APPLICATION NUMBER: 09/227,357
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PRIOR APPLICATION NUMBER: EARLIER APILLOATION NUMBER: 60/256, 40
                                                                                              PRIOR APPLICATION NUMBER, EARLIER ANTICATION NUMBER, PRIOR FILING DATE: EARLIER FILING DAIF: 1907-08-18 PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER.
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PRIOR APPLICATION NUMBER: EAFLIER AFFLICATION NUMBER: 60/051,926
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PRIOR APPLICATION NUMBER: FARLIER APPLICATION NUMBER: 60/052,744
PRIOR FILING DATE: EARLIER FILING DATE: 1997-07-08
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: ORGANISM: Streptomyces avera tilis
IIS 10-156-761 11503
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APPLICANT: SHIHA, TANYOSHI
APPLICANT: SHIHA, TANYOSHI
APPLICANT: SAKAKI, YISHIYUKI
APPLICANT: SAKAKI, YISHIYUKI
APPLICANT: LATTOKI, MAGAHIKA
LITIK OF IMUMITICA, MAGAHIKA
LITIK OF IMPHICAN MAGAHIKA
CURRENT APPLICATION MURBER, 05/10/156,751
CURRENT APPLICATION MURBER, 05/10/156,751
CURRENT APPLICATION MURBER, 05/10/156,751
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APPLICANT MIZNODERLI, HIROSHI
ANDELICANI AND SELKO
APPLICANI AND SELKO
APPLICANI OCHIAL KELKO
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SEQ iD NO 6068
LENGTH: 203
Obory Match 31.2%; Score 51.5; DR 9; Length 20;
Hest Local Similarity 48.1%; Prod. No. 20;
Matches 13; Conservative 2; Mismatches 9; Indels
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PRIOR FILING DATE: 2001-05-80
PRIOR APPLICATION NUMBER: JF 2001-272697
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PRIOR PILING DATE: 2000-04 07
PRIOR APPLICATION NUMBER: JF 00/280988
PRIOR FILING DATE: 2000-08-04
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CURRENT APPLICATION NUMBER: US/05/7 0,626
CURRENT FILING DATE: 2000-12-18
PRIOR APPLICATION NUMBER: JP 99/4774H4
PRIOR FILING DATE: 1599-12-16
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APPLICANT: IKEDA, HARDO
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US-100 925 (00: 1726)

2 Sequent No. 1726 Application US/09925300

3 Forent No. US26924151681A1
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                                                         NAMEZKEY: SI
                                                                                                                                                                                                                                                                               offHER INFORMATion: Xaa equals any of the naturally occurring Leamino acids
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                                                                                                                                    NAME (KEY)
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                                                                     INF-6MALE-N: Xaa equa's asy of the naturally occurring L-amino acids
                                                                                                                                        INFORMATION: Xas equale any of the naturally occurring L-amino acids
INF REALL N. Xaa equals any of the naturally occurring L-amino acids
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; ORGANISM: Aspergillus fumigatus US-10-128-714-3058
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                                                                                                                                                                                                                                                                                                   Sequence 8058, Application US/10128714 Fublication No. US/0030179013A1
                                                                                                                                                                                                                                                                              GENERAL INFORMATION:
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                APPLICANT: Tishkoff, Daniel
APPLICANT: Zamudio, Carlos
APPLICANT: Eroshkin, Alexey M
APPLICANT: Lemieux, Sebastien M
ITTLE OF INVENTION: Identification of Essential Genes in Asperdillus tumiquatus and
TITLE OF INVENTION: Methods of Use
FILE REFERENCE: 10182-018-994
CURPENT APPLICATION NUMBER 1997/10/128,714
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  CURRENT FILING DATE:
                                                                                                                                                                                                                          APPLICANT: Jiang, Bo APPLICANT: Hn, Weng
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CURRENT APPLICATION NUMBER: 38/10/128.7 CIPPENT ELLING DATE: 2002 C4 23 PRIOR APPLICATION NUMBER: 10 K0/285/697 PRIOR PRIOR DATE: 2001-04-23 PRIOR APPLICATION NUMBER: 12 60/287/066 PRIOR ELLING DATE: 2001-04-27 PRIOR ELLING DATE: 2001-04-27
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APPLICANT: Tishkoff, Daniel
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| Publication no. 0520030049793Ai
| GENERAL INFORMATION:
| APPLICANT: YE, Jane et al
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TITLE OF INVINITION: ISOLARED HORAN TRANSPERTER CHACTER.

TITLE OF INVINITION: EXCLARED HORAN TRANSPERTER CHACTER.

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CURRENT APPLICANTION HUMBER: 05/10/274,968

CORRENT FILLING DATE: 2002 10-22

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PRICE APPLICATION HOMBER: 60/124,270
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NUMBER OF SHO ID Web 849
SOFIWARE: Palontin Vor. 2.0
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ORGANISM: Homan
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Comparison 5.1.6

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For the protein search using sw model

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SUMMARIES

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ALLONMENTS

F:688-695/Region: proline-rich F:237-/Active site: Cys (phosphocysteine intermediate) #status predicted F:233/Binding site: Substrate phosphate [Ara] #status predicted A, Description, probably as effector and/or revalator of typosine protein kinaso csk is C. Superfamily: protein-tyrosine-phosphatase, nonreceptor type 8: protein-tyrosine-phosphatase, nonreceptor type 8: protein-tyrosine-phosphatase typosine-specific phosphatase formally cytes protein tyrosine-phosphatase homology cytes 1,497:802, Keedion, alutanic acid, proline-rich phosphatase homology cytes 1,513:621, Keedion, proline-rich A.Cross references. GB.M9C398; NID:42(6022) FIDN:AAA/9794.1: PID:4200523 R.Cloutler, J.F.; Veillette, A. R.Cloutler, J.F.; Veillette, A. EMBO J. 15, 4909-4918, 1904.

EMBO J. 15, 4909-4918, 1904.

A.Hitle: Association of inhibitory tyronino protein cinano p^{GD}(cok) with protein tyro A.Roterence number: S71952; MUID:97045072, PMII:18090164 protoin-tyrosine-phosphatuse (EC 3.1.3.48) PEP, correceptor type 8 - mouse N.Alternate names; protein-tyrosine-phosphatuse PEP C:Species: Mus musculus (house mouse)
C:Bate: 03-May-1901 #zerposee :evilion 25 May 1901 #text change 11.dun-1900 C:Accession: B44390; 871952; \$27876 A)Gene: 70zpep C)Complex: physically associates with inhibitory typosine product kinds (Cok) interde A; Molecule type: mRNA A; Rosidues: 495-789 <CLOS A:Molecule type: mRNA A:Residues: 1 802 <MAT> , and threonine-rich sequences. A:Reterence number: A44390; MUTD:92236625; PMTD:1373816 Mol. Cell. Biol. 12, 2396-2405, 1992 A:Title: Characterization of hematopoletic intracellular protein tyrosine phosphatase R:Matthews, R.J.; Bowne, D.B.; Flores, E.; Thomas, M.L. Mol. Cell. Biol. 12, 2396-2405, 1992 C; Genetics: A: Status: nucleic acid sequence not shown, not compared with conceptual translation A: Accession: B44390 C.Comment: This protein is found primarily in homatopoietic tissues Query Match 53.6%; Score 83.5; DR 1; Longth 802; Best Local Similarity 61.3%; Prod. No. 0.00037; 1 SWPPSGTSSKMSLDDLPEKODGIVEPSSLLP 31 19; Conservative SSPENSADSKMSF PLPEKQUCATSFCALLP 567 2: Michaeletas Nor 20 May 1994 #text_change llounnelsss L Caps

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J. Biol. Chem. 267, 7185-7196, 1992
A.T.Diec Chem. and transcriptional requiation of a movel adiposite specific
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A.Molecule type: ONA
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A.Resibhes: 1-226/RQAEVSEKRESHLOGENEWEGSPORG LOSTOKSREKEINFRRED' + LUI+
A.ROSES references: EMBLU27668; NID:41184578, FILM:AAC4-8596.E; PIT:41184681
A.Nole: the difference at the carboxyl end is due to a 1 frameshift in the codon tof
A.Nole: the nucleotide sequence was submitted to the EMBL Data Library, June 1985
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K.Kunst, F., Shasaward, N., Moszer, I., Albertini, A.M.: Albeni, S.: Azevedo, V.: Bet K.Kunst, F., Shasaward, N., Moszer, I., Albertini, A.M.: Albeni, S.: Azevedo, V.: Bet C.: Bron, S.: Rocillet, S.: Bruschi, C.V.: Caldwell, B.: Capoano, V.: Carter, N.M.: A.: Ehrlich, S.I.: Emmerson, F.I.: Entian, K.O.: Errington, J.: Fabret, C.: Fertari, Nature, 390, 249-256, 1997
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A:Reference number: $70690; MUDD:96423178; PMID:8825779
A:Acrossion: $76692
A:Status: nucleic acid sequence not shown; translation not shown
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A:Experimental source: strain 168
A:Experimental source: strain 168
A:Dattiever: A.: Hahn, J.: Dubbau. D.
Mol. Microbiol. 19, 343-356, 1996
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227 PESGSFRKAVIDIAAEKUMGEV 248
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A:Exportimental Source: Strain 972h(-); cosmid c2986
R:Mobousall, B:C.: Rajandream, M.A.: Barrell, B.G., Brown, S.: Murphy. E.: Jones, L.: Mg submitted to the EMBL Data Library, January 2000
A:Reterence number 225046
A:Accession: T$Q2ly
                                                                   Classical disciplination of the problem of the predicted sets of the first sequence for the protein fixture predicted small field label product; pistal extension the protein fixture predicted small fixtured at the carbohydrate (Asn) (covalent) fixtatus predicted
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A:Experimental source: stiama, style: strain Patit Havana SRI
C:SUperiam3)y: bydroxyproline:rich alycoprotein
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A:Accession: JQ1896
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Picone 1 Mirphy L.: McMell, A.: Shapson, I., Hairis, D. Bairoll, B.G., Rajandream,
Salemittod to the EMMI, Data Library, October 1995
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A:Experimental source: strain 972h(-); cosmid e30
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      Length 426;
RESULT 11
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A:Status: preliminary: translated from CE/TMRE/DDBJ
A.MC-Decube type. DNA
A:sestidues: 1-464 <LLA>
A:Cross-reterences: EMBL:AF041569: NIB:q2842242. FIBN.AAr01574.1: PID:q2842244
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Riblaca, V.; Messing, J. submitted to the EMBL Data Library, October 1997 A.S. Brighton, Structure and organization of the
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A;Authors: Kahn, D.: Kahn, M.: Kalman, S.: Keating, D.H.; Kiss, E.: Komp, C.: Lelau hebault, P.; Vandenbol, M.; Vornolter, P.J.; Weidner, S.; Wells, D.H.; Wong, K.; Yeh. A;Fitle: The composite genome of the legame symbiond Sinorbizobium meliloi.
A;Reference number: A96039; MUID:213682-4; PMID:11474104
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 A.Cless references: GB:AE006469: F10W:AAA-5128.1: Floral4528567; GB:PH:GN:U165
A:Experimental source: strain 1021, neapleasmid pSymA
R:Gallbert, F.; Finan, T.M.; Long, S.R.; Publer, A.: Abola, F.: Ampe, F.; Birloy-Hubl
p-La, o. Chain, P.; C.wie, A.; Davis, P.W.; Bround, S.; Federiplet, N.A.; Fisher, R.
L.; Hyman, R.W.; Jones, T.
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C:Date: 12-Peb-1999 #sequence_revision 12-Feb-1999 #text_change 29 Oct-1999
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ACTILLE: Nacleotide sequence and preddeted fractions of the entire Simorbinobium medial
AcReference number: A95262: MUID:113965899 FMCD:11483452
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Nucleie Acids Res. 22, 4038-344, 1994
A:Fille: Tissue specific expressa.o. of the rat Ab receptor doc ARNI mENAS
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This SMISS-PROT entry is copyright. It is produced through a corlaboration between the Swiss Institute of Blackicesties and the EMRI, outstation the European Bioinformatics institutes. There are no restrictions on its use by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial or send an email to license sists in the way in the profit is a license sists. All the profit is a license sists in the profit is a license sists. The profit is a license sists in the profit is a license sists in the profit is a license sists. The profit is a license sists in the profit is a license sists in the profit is a license sists. The profit is a license sists in the profit is a license sists in the profit is a license sists.	FUNCTION: Seems to act on Cbl. May play a rote in regulating the function of Cbl and its associated protein kinases.	FROMENCE FROM M.A. (IGOPORMS 1 AND 2), AND CHARACTERIZATION. MEDILINE-99188989; FubMed 10048674; Cober S., Dadi H., Shaoul E., Sharis N., Roltman C.M.; "Cloning and characterization of a lymphold specific, inducible human protein tyrostine phosphatase, byp."; Blood 93:2013-2024(1999) Blood 93:20	PENNALIUMAN STANDARD; PRI: 807 AA. ID PINNALIUMAN STANDARD; PRI: 807 AA. AC U97282; 095063; 095064; DE 15-JUN-2002 (Rel. 41, Created) DI 15-JUN-2002 (Rel. 41, Last semence update) DI 15-JUN-2002 (Rel. 41, Last semence update) DE Protein-tyrosine phosphatase, non receptor type 22 (EC 3.1.3.48) DE Protein-tyrosine phosphatase, non receptor type 22 (EC 3.1.3.48) DE Protein-tyrosine phosphatase, type 22 (EC 3.1.3.48) DE Protein-tyrosine phosphatase, (LyP). AN PIPN22 OR PPN8. NOT Mammalia; Eutheria; Primates; Catarraini; Hominidae; Homo. NCH_TaxID=9606; RN [1]

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ALXA<sup>T</sup>BVGSII
                              RX MEDICINE 986 4003; PubMed 9864377;
RX MEDICINE 986 4003; PubMed 9864377;
RA Asymedo V., Rettero M.C. Hessiones E., Bolotin A., Boreteri S.,
RA Rouriss R., Bourstero M.C. Hessiones E., Bolotin A., Boreteri S.,
RA Rouriss R., Bourstero L., Brann A., Brann M., Ridanell S.C. Bron S.,
RA Borriss R., Codani C.V., Caldwell R., Capminds N.J. Carter N.M.,
RA Choi S.K., Codani C.J., Connection A., Editich S.L. Branesch F.L.
RA British E., Lovine R.M., Consortholf A., Editich S.L. Branesch F.L.
RA British E., Color B.M., Politer C., Ferrari E., Foulder D.,
RA Chin S.Y., Glaser P., Gottean A., Collidating E.J., Calleron N.,
RA Chins S.Y., Glaser P., Gottean A., Collidating E.J., Chandi G.,
RA Hilbert H., Holsappel S., Hosono S., Hallor M.F., Haya M., Jones L.,
RA Burita S., Lapidus A., Lardinois S., Lambert J., Hayarevic V.,
RA Borita S., Lapidus A., Lardinois S., Lambert J., Bazarevic V.,
RA Borita S., Lapidus A., Lardinois S., Lambert J., Bazarevic V.,
RA Borita S.M., Lavine A., Liu H., Masuda S., Manel C., Modique C.,
RA Robryshi Y., Kechter P., Keningstein G., Krodh S., Rumare M.,
RA Robryshi Y., Berlilly M., Odawa K., Damoel C., Robrota B., Bark S.H.,
RA Borita S., Lapidus A., Liu H., Masuda S., Manel C., Buddus S., Bark S.H.,
RA Borita S., Polit J.M., Porteelle D., Porwollik S., Broscott A.M.,
RA Barter M., Bellado K.P., Marmel R., Drown J., Cadega B., Park S.H.,
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RA Barter M., Bellado R., Vander B., Barter P., John B.S., Soldo B.,
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Best Local Similarity 61.3%;
        Subtilis.":
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Nature 390:249-256(1997).
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SMART; SM00194; PTPC:
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MGD: M01:10/170: PTPGB.
InterPro: IPE000387: TYK phosphatase.
InterPro: IPE000242: Tyr FP.
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89714 MW;
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Pred. No. 9.8e-05;
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SEQUENCE OF 1 282 FROM N.A.

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P56198;
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                                                                                                                                                             use by non-profit institutions as long as its content is in no modified and this statement is not removed. Usage by and for commen
                                                                                                                                                                                                                                                                         probable interact with sequences required for differentiation-dependent expression ":
| First First 19777185-7193(192).
| FIRSTE SERCTFOTTY: Adipocyte-specific.
                                                                                                                         entities requires a license agreement (See http://www.iso-sib-ch/announce/
or send an email to license/isb-sib.ch).
                                                                                                                                                                             This SWISS-PROF entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the European Horinformatics institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way
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                                                   MGD: MG1:95585: Esp
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Mammaila: Eatheria: Rodentia; Sclurognathi; Muridae; Murinae; Mus
SMART: SMOOLES; CAD: 1.
                 P: im: FF0201
                                 Mole Melly55x5; Esp27.
InterPro: [Pk@0x508; CAD.
                                                                                                                                                                                                                                                                                                                                                                                                   Lengton (220128), PabMod 1839452;
Pamoseh U., Hoeck W., Rinwold G.M.;
"21 Joins and Orangenies"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           N:181_fax1D=10090;
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[6-00][200] (Rel. 40. Last annotation update)
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"Follymucleotide phosphory) ase is necessary for competence development
in Macilles subtilis.";
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           nudified and this statement is not removed. Usage by and for commercial entities constoned a License arresement (See Lity 1966) in the Claim unery
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 send an email to licensedisb-sib.ch).
                                                                                                                                                                                                                                                                                                                                                                     Adias and transcriptional regulation of a novel adiposyte-specific (C/EBP) and C/EBP like
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   . Microbiol. 19:343-356(1996).
SIMILARITY: FO OTHER POLYSACCHARIDE DEACETYLASES
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               TO STIDE N;
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L+ AA: 35465 MW: 4A42752721278420 CR064;
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Best Local (
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                                                                                                                                                                                                       the European Bioinformatics Institute. There are no restrictions on use by non-profit institutions as long as its content is in no modified and this statement is not removed. Usage by and for common ontitios requires a license area of the common and an email to license area is because.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Nutherford K. Putter S. Saunders D. Sovger K. Sharp S. Skelled J. Simmonds M. Squares R. Squares S. Stevens K. Taylor R. Taylor B.G. Taylor B.G. Walsh S.V. Warren T. Whitehead S. Woodward J. Volckaert G. Aert R. Rebben J. Grymouprez K. Weltjens J. Vonstreels E. Rieger M. Schaefer M. Mueller Ano. S. Gabel G., Puchs M., Eritze G. Helzer E., Meestl D., Hilbert H., Borzym K., Langer I., Reck A. Lebeach H. Heinhardt K., Pohl T.M., Borzym K., Langer I., Reck A. Lebeach H. Heinhardt K., Pohl T.M., Borzym K., Janger I., Wedler H. Wambutt K., Purnelle B., Conference G. Medler H. Wambutt K., Purnelle B.
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                SEQUENCE
                                                                                                           EMBL; Z66525; CAA91431.1; + EMBL; AL136538; CAB66472.1;
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Bukaryeta: Pumai, Azcomyceta, Sebigosaccharomycetaevae;
Schizosaccharomycetales: Sebigosaccharomycetaevae;
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15-JUN-2002 (Ref. 41, Last annotation update)
Hypothetical protein C29E6.09 in chromosome 1.
                                                                Hypothetical protein
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     339 AA;
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37857 MW; 1F6608C436E14BA3 CRC64;
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Query Match Best Local Matches 1

Best Local Similarity 48.0%;

32.1%; Score 93;

EB 1: Length 319;

Pred. No. 4.1;

Conservative

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Mismatches

9. Indels

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-1- TISSHE SPECIFICITY: PISHIL (SHIGMA AND SIYLE TISSHE).
-1- DEVELOPMENTAL SHAGE: LINTHESSEAR HEGHS IN FIGHAL BUGS AFTER PISHIL DIFFERENTIATION AND LEVELS GRADUALLY INCREASE DURING FLOWER DEVELOPMENT TOWARD ANTHESIS, LEVELS GRADUALLY DECREASE AFTER PULLINATION AND ARE ABSENT BY THE SIXTH DAY AFTER
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Ptam: PF01190: Pollen_ole_e_l: :.
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(Rel. 40, Last sequence update)
(Rel. 40, Last annetation updat
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Pred, No. 6.4;
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| 127840;
| 127840;
| 01 ANG-1992 (Rel. 23, Created)
| 01 ANG-1992 (Rel. 23, Last Sequence update)
| 01 ANG-1992 (Rel. 23, Last Sequence update)
| 15 - Jun-2092 (Rel. 41, Last annotation update)
| Aryl hydromatiscs receptor sucleur translocator (ARHT profess) (Dioxidaryl hydromatiscs translocator) (Hypoxia-inducible factor (beta)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Home suprems (Human).
Bunkaryota: Meyarya: Chordata: Craniata: Vertebrata: Euceleostomi;
Mammalia: Extheria: Primares: Catarrhini: Hominidae; Homo.
"District without the Ah receptor nuclear translocator protein
                                                                                          PHARAPIERIZALEPN.
MERLINE PLIPIERY PERZASI S., Hankinson O.
Megyer H., Reiste Perstasi S., Hankinson O.
                                                                                                                                                                                                                                                                                    Ward 3.L., Sland B.-H., Rue E.A., Semenza G.L.; "Hypoxia Inducible factor 1 is a basis-helix-boop-helix-PAS hererodiner regulated by cellular 02 tension."; Froc. Nati. Acad. Sci. U.S.A. 92:5510-5514(1995).
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MESCIME 952-6140, Dubmed 7539318,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SECTIONS TRUM N.A.
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LiberPro: IPROUS887; IEM.
Prum: CACCETTO, TPM. 1;
SMARE: STOCK TO, LEM. 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  entities requires a license daraement (See http://www.isb.sib.ch/announce/
or send an enail to licenserish sib.ch)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FOLL SCI. 111:781-792(.998).
SUBURLE: INTERACTS WITH LAMINS A AND C (BY SIMILARITY).
SUBTELLULAR INVALIAN MULLEAR MARKER (BY SIMILARITY).
MEMBERANE AND THE NUCLEAR MARKER (BY SIMILARITY).
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HSSP; P22415; TAN4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            between the Swiss Institute of Bioinformatics and the EMBL ourstation—the European Bioinformatics institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way modified and this statement is not removed. There by and the connected entities requires a liberary correspond (See Birth 1988) was "to its bigline-market or send an email to licensecisb-sib.ch).
                                                                                                                                                                                                                                                                                                                                  PROSITE: PS00038; HLH_1; 1. PROSITE: PS50888; HLH_2; 1. PROSITE: PS50113; PAS; 2.
                                                                                                                                                                                                                                                                                                                                                                                             SMART: SM00086; PAC: 1.
SMART: SM00091; PAS: 2.
TICRPAMS: TICRB00229; sensory_bax: 1.
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EMBL; Y18859; CAC21446.1;
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1 FUNCTION: REQUIRED FOR ACTIVITY OF THE AH (ALOXIN) RECTED FOR THE LIZAND-FINDING SUBJUNCT TO TRANSLOTATE PROTEIN IS REQUIRED FOR THE LIZAND-FINDING SUBJUNCT TO TRANSLOTATE
                                                                               SEQUENCE
                                                                                                                                          DOMAIN
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InterPro; 1PR001067; Nuc_translocat.
InterPro; 1FK001610, PAC.
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                                                                                                                                                                                                                                                                                                                    Nuclear protein
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                                                                                                                                                                                                                                                                                                   Alternative
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SUBGNAT: EPFICIENT DNA BINDING REQUIRES DIMERIZATION WITH ANOTHER BHILL PROTEIN. FORMS AN HETERODIMER WITH AHR. WITH HIELA AS WILL AS WITH OTHER BHILL FROTEINS. INTERACTS WITH TRANSFORMENT ACTURE. ACUSED CONTAINING TRATECH 3 (STATIONER) TO STRUCKLULAR FORMING NUCLEAR.
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11; Conservative
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3: Mismatches
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                                                                           This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMMI outstation the European Bioinformatics institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ARNT_MOUSE STANDARD: PRT: 791 AA. ps 4762; 060661; 01-00T-1996 (Ref. 34, Created) 01-00T-1997 (Ref. 35, Last sequence update) 16-00T-2001 (Ref. 35, Last annotation update) 16-00T-2001 (Ref. 40, Last annotation update) Aryl hydrorarbon receptor nuclear translecator (APNT protein) (Piowin receptor, nuclear translecator) (Hypoxia-inducible factor 1 beta)
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EMBL; U10325; AAA56717.1; EMBL; U14333; AAA61732.1;
                                                                                                                                                                                                                                                                                                                                                                                                                                      "In H., Dong I., Whitlock J.P. Jr.;
"Transcriptional activation function of the mouse Ah receptor nuclear translocator.";
J. Biol. Chem. 269:28098-28105(1994).

-!- FUNCTION: REQUIRED FOR ACTIVITY OF THE AH (DIOXIN) RECEPTOR. THIS
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"Identification of functional domains of the aryl hydrocarbon
receptor nuclear translocator protein (ARNI).";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Eute eostomi;
Mammalia; Entheria; Kodentia; Sciuroanathi; Muridae; Mur nae; Mus
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Mus musculus (Mouse)
                                                or send an email to licensedisb-sib.ch).
                                                            entities requires a license agreement (See hitp.//www.i-b-sib-sib-spinosoco
                                                                                                                                                                           -1- SIMILARITY: CONTAINS 2 PAS (PER-ARNT-SIM) DIMERIZATION DOMAINS
-1- SIMILARITY: CONTAINS 1 PAS-ASSOCIATED C-TERMINAL (PAC) DOMAIN.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MEDLINE-95050586, PubMed-7961746;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STRAIN-C57BL/6;
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HLHOHTO. HFR041067; Nu._translocat
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41: 191

11: N.W. 190 (Ref. 42) Stourned)

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Submitted (NeV 1999) to the EMBL/Senhank/1990 databases
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15-JDN 2002 (Rel. 41, Greated)
15-JUN-2002 (Rel. 41, Last sequence updato)
15-JUN-2002 (Rel. 41, Last amotation update)
Neutexin 1 alpha precursor (Neutexin Fraipha).
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Mond K., Wehldmann P., Minges B.;
Salestrod (MAY 1799) to the EMR joberbackjädaRJ database
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Nomura N., Ohara O.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Bukaryota: Metassa: Chordata; Shanjata, Vertebrata, Butelsestomi:
Mammalia: Butheria: Primates: Satarrhini: Homshidae; Homs.
News Personal
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PYMER R. AND O GLYCOSVIALED (BY SIMILARITY).

GIMILARITY: CHAIALRES 6. AMBRIEL GLIKE DOMAINS.

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SUBCELLUAR LOCATION: Type I membrane protein (Potential).
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61 МISSING (IN ISSECRM ALPHA 5/ 1)
150075 МW; — FIGRZ4F884020718 СВСФ4;
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5-30N-2502 (Red. 41, last sequence update)

15-30N-2502 (Red. 41, last annotation update)

Noutexin 1 alpha precursor (Neurexin 1-alpha).
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InterPro: IFRG00561: EGF-1ike.
InterPro: IFRG01791: Laminin_G.
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                                                                                                                                                                                                                            BINDING.
-!- SIMILARITY: CONTAINS 6 LAMININ 3 LIKE DOMAINS.
-!- SIMILARITY: CONTAINS 3 ECF-LIKE DOMAINS.
-!- SIMILARITY: RELONGS TO THE NEUREXIN FAMILY.
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"J. Cell Biol. 154:435-445(2001).
-1- FUNCTION: HEUEGNAL CELL EMERATE FROTTEN THAT MAY BE EMPLYED IN
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ALTERNATIVE PRODUCTS: AT LEAST 56 ISSPORMS: MAY BE PRODUCTS. AT LEAST 56 ISSPORMS: MAY BE PRODUCTS. AT LEAST 56 ISSPORMS: MAY BE PRODUCTS. AT SITES 1 TO 5. EACH CONSISTING OF MEDIAN SPLICED DOMAINS AT SITES 1 TO 5. EACH CONSISTING OF MEDIAN SEQUENCES (A-C) THAT SEEM TO HE USED INDEPENDENTLY. FOR SPLICE SITE 1 ADDITIONAL SPLICE MODULES MIGHT HE POSSIBLE THUS INVERSING THE NUMBER OF POSSIBLE SOUTHERNATIVE SPLICES (AC 96-873) SHARE THE COMBINATION OF TWO ALTERNATIVE SPLICES IN MAINS AT SITES 4 AND SECUENCES (AC 96-873) SHARE THE COMBINATION OF TWO ALTERNATIVE SPLICES IN MAINS AT SITES 4 AND SECUENCES (AC 96-873) SHARE AND SHOWN IS ISOPORM ALPINA 1AZAZAZAASA. ALPHA AND HETA ISOFORMS AN
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Fig. 1. C. (1988MC roll. 19, Provided)

FIG. 1. C. (1988MC roll. 19, Provided and Sequence of Spidero)
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Ster EMRCZ/Gardenoz/CERC Intuit cost.
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KENNEDLINE 94150718; bubMed 7906398;

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01-MAY 2000 (TrEMBLEEL 13, Last sequence update)
01-MAR 2002 (TrEMBLEEL 20, Last annotation update)
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"The sequence of C. elegans cosmid F09k9.";
submitted (NeW 1995) to the EMBL/GenBank/InibJ databases.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  609 PPRGOSSISB DELEYDYYDG11FFGSF1, 637
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PKT: 849 AA
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                                                                                                                                                                                                             Atabidopsis thalland (Monge-ear cress).
Enkaryota: Viriliplantae; Stoptopbyta: Embryophyta: Trachcophyta: Spelmar ophyta: Maanaliophyta: endicotyledons: core endicots: Rosidae; cirosids: [] Bransicales, Brassicales: Atabidopsis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          04.5E7
                                                                                                                                          InterPro: IEROOT-18: Pumilio/Put.
Film: PFO: 800: PUE: 8.
SMARI: SMORELS: Pumilio. 8.
SEQUERCE: 81 AA: 96:05 MW: 44:
                                                                                                                                                                                                                                                                           Tarninol P.C. Chen H., Theuf P. Hayashizaki Y. Ishida i Tombo T.,
Kamiya A., Karlin-Neumann G., Kawai J., Kim C., Lam B., Lin J.,
Maranda M., Narisaka M., Nauyen M., Palm C.J., Sakarai T., Salon M.,
Saki M. Chine S. Santhwitz A. Stiatudi K., Daviz F.K., Elker J.B.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 01-JUN-2003 (TrEMBLITE), Treated)
01-JUN-2003 (TrEMBLITE), J7, Last sequence update)
01-MAR 2003 (TrEMBLITE), 20, Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                               N'E1_laxID 4702:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Filam: PE00806: POF: 8.
SMART: SMOU025: Pamilio: 8.
SHUMPHIF: 049 AA 44444 MW.
                                                                                                                                                                                                                                                                                                                                 Y Madada K., 119 S.X., Sakaro H., Pham P.K., Banh J., Chang M.K., in Idsmarh A.D., Lee J.M., Quach H.L., Joriumi M., Yu G., Bowser L., antinci P., chen H., Theuk P. ungaghizaki Y. Ishida i Tence T
                                                                                                                                                                                                                                                                                                                                                                                           STOURNET FROM N.A.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ER Armstylpsis sequencing project; Submitted (MAR 1999) to the PMRR Aberbank ADDRI databases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Horas M., Peters S.A., van Staveren M., Dirkse W., Stiekema W.
Hoherse, T., Howes H.W., Mayer K.P.X., Schueller C.;
Schutted (MAR-1999) to the EMBL/OchBank/OpBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             EMBL: AL1615-4; CAB79443.1; ...
InterPro: IPR001313; Pumilio/Pur.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             EMEST: VITO46480: CVB 46608717 -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Submitted (MAR 1822) to the EMELT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SECTEMBER OF MINIST
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Lemeke K
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 SWEESSTREEMSTON DEROTOTEPESSEEP 31
                                                                                      1 43 4%; Score 55; [B 10; Length 86]; Similarity 45 5%; Pred. No. 23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Similarity 35, Fill Conservative
SAFE NMELSELAVDNILLSROCKSVYNNLMLP 60
                                   SWEESGESSKMSEENDLPEKCOGTVFPSSLLP 31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SAPENMEDGELAVIVULLERÇCOSVYNNLMLP 60

    Van Staveren M.: Dirkse W., Stiekema W., Mewes H.W.
Mayer K.F.X.;

                                                                        Conservative
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                                                                                                                                          %6105 MW; 44555848AAFCDE5A CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      33.3%; Score 55;
35,5%; Pred. No.
                                                                       10: Mismatches 10;
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                                                                   Indels
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                                                                                                                                                                                                                                                                                                                              Cuery Match
Best Local Similarity 40.0
Whiches 14, Conservative
                                                                                                   01-DEC-2001 (TERMBLEEL 19, Created)
01-DEC-2001 (TERMBLEEL 21, Last sequence update)
01-JUN-2002 (TERMBLEEL 21, Last sequence update)
Hypothetical protein KA0470.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRINTS; PRO1493; KV8CHANNEL.
FRINTS; PRO1494; KV9CHANNEL.
PRINTS; PRO1495; SHABCHANNEL.
PRINTS; PRO1495; SHABCHANNEL.
PRINTS; PRO1498; SHAWCHANNEL
                                                            RAÖ470 OR SMAO861.
Rhizobium meliloti (Sinorhizobium meliloti)
NCBI_TaxID=382;
               Rhizobiaceae; Sinorhizobium
                              Bacteria; Proteobacteria; alpha subdivision; Rhizobiaceae group;
                                                Plasmid pSymA (megaplasmid 1)
                                                                                                                                                                           Q92ZK4;
                                                                                                                                                                                            Q922K4
                                                                                                                                                                                                                                                                                                                                                                                                                              SECUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                            SMART; SM00225; BIB; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Ptam: PP03521; Kv2channol; 1.
Ptam: PF02214; K_tetra; 1.
PRINTS: PR00169; KCHANNEL.
PRINTS: PR01492; KV6CHANNEL.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Rectifier Potassium Channel from Channel Cattish (letalurus punctatus): Expression in Taste Buds."; J. Reurochem. 76.1465,1474(2001).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TISSUE-MAXILLARY BARBEL:
MELLINE-41146584, Fuenced 11218781:
Mang J., Tooler J.H., Brauter S.P., Manyen M.D., Chang C.C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Ictalurus punctatus (Channel catfish).
Eukaryota; Metazoa: Chordata: Craniata; Vertebrata: Buteleostomi:
Actinopteryqii, Neopteryqii: Teleostei, Ostariophysi, Siluritormos:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             01-JUN-2001 (TERMBLEEL 17, Created)
01-JUN-2001 (TERMBLEEL 17, Last sequence update)
01-JUN-2002 (TERMBLECL 21, Last armotation update)
Delayed restific; polassium channel Kv2.
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                                                                                                                                                                                                                                                                                                                                                                                                                                             lonic channel
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Ptam: PF00520; ion_trans; 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               InterPro;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               interPro; !PR00.59/1; Key_channel.
interPro; !PR00.3968; Kv_channel.
InterPro; !PR00.3913; K_teura.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   InterPro; IPR004351; Kv22channel.
InterPro; IPR003969; Kv6_channel.
InterPro; IPR003970; Kv8_channel.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           EMBL; AF319664; HSSP; Q54397; 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Puchalski R.B.;
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                                                                                                                                                                                                                                                                                 vd2 FrS ISSAQELSIS.LLEGGNSPEQESSTPFPESVI 7]5
                                                                                                                                                                                                                                                                                                                  3 PPSGTSSKMSL -----DELPERQUOTVERSSLL 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           IPR000636; M+channel_alq. IPR003973; Shab_channel.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    IPR001622; Krchannel_pore
                                                                                                                                                                                                                                                                                                                                                                                                                            816 AA: 92092 MW; 0H9B22042CAA297E CEC64;
                                                                                                                                                                                            PRELIMINARY;
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Friedrich F. L. Johnson L., Kong etc. Abert Ader,

Bartard Burder F. Jewaster L. Christian K.W., Kilde Dr. Kallin M.L.,

Kilder B. Kest da J. B. Jacker L., Dreck M.-J., Kilde Dr. Kallin M.L.,

Net K. J. Lerder A. B. Jacker St. Dreck M.-J. Surryck, K., Wells D.B.,

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               InterPro; LPR000120; Amidase
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                                                                                      lacal Similarity
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138 PPPGTDNOMAIRDVOSLKDGSL 159
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                                 R PPSGTSSKMSLDDLPEKODGTV 24
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                                                                      Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PECLIMINARY;
                                                                                     30.9%; Score the DB L2; Gendth 200; 46.4%; Pred. No. 17;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           31.5%; Score 52; DB 40.7%; Pred. No. 38;
                                                                    8; Mismatches
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                                                                      6; Indels
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Post Local Similarity 40.9
                                                                                                                                                                                                                                                                                                                                                                                                                                    Priverchie V.S., Kapatral V., Redkar R.J., Patra G., Mujer C., Los Itaneva N., Anderson I. Bhattacharyya A., Lykidis A., Reznik G., Jatkonski L., Larsen N., D'Scura M., Bernal A., Mazur M., Goltsman Scikov F., Fizer P.H., Hagius S., O'Callaghan D., Letesson J.-J., Haselkein F., Evipides N., Overbeck R.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SIBAIN ICM / APR 23456 / BIOTYPE ];
MEDITNE 2002/109: PubMed-11756688;
Beilverchie V.G.: Kapatral V., Redkar
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of New Free (ItaMBIrel, 6), last sequence update)
Theorems (ItaMBIrel, 1), Last annotation update)
Hypothetical protein in Norg 3'REGION (Fragment).
Prisents see
                                                                                                                                                                                                                                                                                                                 Proct. Nati. Acad. Sci. U.S.A. 99:443-448(2002). EMBL. AEU0450: AAL51448.1: -.
                                                                                                                                                                                                                                                                                                                                                                                              "the denome sequence of the facultative intracellular pathogen
                                                                                                                                                                                                                                                                                                                                                                                  Bricella melitensis."
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                                                                                                                                                                                                                                         Section Section 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SECUENCE FR.M.N.A.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Brandlaneary Brucella.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Brusella melitensis
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-MAR 2002 (TrEMBLrel, 20. Last sequence update)
-TON 2002 (TrEMBLrel, 21. Last annotation update)
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40.9%: Pred. No. 23;
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orangutan (Pongo pygmaeus) trom Kalimantan, Indonésia
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01-MAY-2000 (TrEMHLrel. 13, Creates)
01-MAY-2000 (TrEMHLrel. 13, Last sequence update)
01-DEC-2001 (TrEMHLrel. 19, Last annotation update)
                                              "Characterization of a simian f lymphotropic virus from a wild caught
                                                                                                                                                        Verschoor E.J., Warren K., Niphuis H., Heriyante, Swan R.A.,
                                                                                                                                                                                                                               MEDLINE-98120820; PubMed 9460922;
                                                                                                                                                                                                                                                                                                                                              SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Virusos: Rotrold viruses: Ed
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Fukaryota: Viridiplantae: Streptophyta: Embryophyta, Tradwophyta:
Spermatophyta: Magnoliophyta: endicotyledums, outoleudicots: Rosidae:
eurosids II: Brassicales: Brassicacoae: Arabidopsis.
                                                                                                                     Heeney J.L.;
                                                                                                                                                                                                                                                                                               STRAIN KA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                        NCBI_TaxID=33747;
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PROSITE: pS00188; BIGTIN; UNKNOWN, 1.
PROSITE: pS00865; CPSASE_1; UNKNOWN, 1.
PROSITE: pS00867; CPSASE_2; UNKNOWN, 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        isolation and characterisation of the DNA and protein sequences of the invention. The broast and ovarian cancer associated DNA, protein, agonist or antagonist sequences exhibit cytostatic; immunosuppressive; need replor neuroprotective; antivital; antiallerate; hepatotropic; antidabetic; antiinlammatery; antiviter; vulnerary; anticonvulsant; antidabetic; antiinlammatery; antiviter; vulnerary; anticonvulsant;
W050346548 AT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DOMEST
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                particularly broast and ovarian cancer. The nucleic acid sequences, proteins, adonists and agonists may also be used in the diadrosis, prevention and treatment of immune disorders e.g. Addison's disease, alteraises, autoimmune haemolytic anaemia, autoimmune thyroiditis,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      proteins AAB58711—AAB59128. The DNA and protein sequences are associated with breast and ovarian cancer. Included in the invention are sequences AAF22042—AAF22040 and AAB59129 which are used in the
                                                                                                                                                                                                                                                                      Binding-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Homo sapiens.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           T cell antiqen receptor signalling; cytokine receptor signalling;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           resting lymphoid cell: protein tyrosine kindse: PTKs: lymphocyte
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human Cytoplasmic phosphatase, Lypz protein.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 YSLPYDSKHQIRNASNVKHHDSSALGVYSY ()
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                                                                                                                                                                                                                                                                      //Idbel NXXY_motil
//note "Unique sequence recognised by phosphotyrosine
//note "Unique sequence recognised by "Unique sequence
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/note - "Single catalytic protein tyrosine phosphatase
                                                                                                                        /note "Proline rich sequence"
                                                                                                                                                                                                                                                               . 6.23
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                                                                                                                                                                                                      SH3_binding_site
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  guerry Martich
                                                                                                   Exercise Francisco
                                                                                                                                                                                                                                                                    Human; tvr sine phosphatase:
                                                                                                                                                                                                                                                                                                    Bullian 191 Sine prosphatase
                                                                                                                                                                                                                                                                                                                                                                                                        AAd7862's Standard: Protein:
                                                                                                                                                                                                    TWI RELEASE A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   control thymocyte differentiation, to treat autoimmune diseases and transplant situations.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          particularly as immunosuppressant
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                                                                                                                                                                  101. 2004.
                                                                                                                                   377 1 279 22
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                            W. I. Vian B:
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                                                             SHAR TENTH STATE HOMAN GIANE GROUP
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The present invention describes is cated, enriched or puritied nucleic acids encoding PTPOA, SAD, process, seq. All, are ALK-7 proteins. The process requirements luman band. The group restrict, although the ALK-7, are pretein tyradine pheaphilases (PTPs) and are used to identify substances that modulate their activity (i.e. agents are used to like tity including NEP) in vive or is vitte. These substances are used to freat or prevent diseases associated will abnormal signal transduction pathways that involve the proteins, particularly cancer (c.s. bankacamia)
                                                                                                                                                                                                                                  Claim 2; Page 151-153; 193pp; English.
                                                                                                                                                                                                                                                                                                  New nucleic acid encoding specific protein tyrosine phospharases useful for identifying specific modulators for treatment and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PTPO4, PTPO5, PTP10, SAD, ALE, ALE,?; protoin tyrosino phosphalasey type I receptor serine, threshino Finase, campor: loukacmia, lymphomo peurodegenozativo disose; nouronal surrival; Alrheimor's disease; Parkinson's disease; Huntington's disease.
                                                                                                                                                                                                                                                                              prevention of cancer and neurodegenerative disease
                                                                                                                                                                                                                                                                                                                                                                                   N-PSDB; AAV81742.
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28-APR-1997;
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(UYMA ) UNIV MASSACHUSETIS
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Lareishi N. Seneda A. Ikeda M. Ozaki A;
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Best Local Similarity 42.9%;
                                                                                                                                                                                                                                                                                                                                                                                          homologue sequence from a database comprising a plurality of known plant sequences comprising inputting sequence information selected from one of 464 fully defined sequences given in the specification. The isolated or recombinant polynucleotide is used for producing a plant having a modified trait, the method comprising selecting a polynucleotide that encodes a polypeptide or an antisense nucleic acid, inserting the polynucleotide or an artisense nucleic acid, inserting the polynucleotide or an artisense nucleic acid, inserting the polypeptide or an artisense nucleic acid into a plant to overexpress the polypeptide or antisense nucleic acid, thereby producing a modified plant, and selecting tora modified trait (e.g. increased
                                                                                                                                                                                                                                                                                        pest tolerance, environmental stress response (e.g. droudt), microbial disease resistance, herbicide resistance, seed and fruit yield, drowth rate, led and flower senescence and many other traits I sted in the specification). The present sequence is one of the 23 proteins which are
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     sequence identity, where the plant jossesses an altered trait is compared to a wild-type or retorence plant, or the plant exhibits an integed phenotype as compared to a wild type or reterence plant, or the plant owhibits entapic expression of altered expression of one or more dense associated with a plant trait as compared to a wild plant. Also included are a transgenic plant emprising the polynucleotides, a computer readable medium having stored sequence information, and dentitying a
                                                                                                                                                                                                                Sequence
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Marthage His Yosarvative
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                                                    Venter JC, Adams M,
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11-JUL-2000; 2000US:0614150.
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Best Local s
The invention relates to isolated polymelectide (1) and polypoptide (11) sequences, (1) is useful as hybridisation probes, polymerase chain reaction (ANA) primers, oligomers, and or chromosome and sene mapping, and in resombinant production of (11). The polymerless idea are also used in diagnostics as expressed sequence tasks.
                                                                                                                                                                                                                                                                                                                                                                                                                                  New isolated polynucleotide and encoded polypeptides, useful in
diagnostics, forensics, gene mapping, identification of rutations
responsible for genetic disorders of other traits and to assess
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             P. Taledjarum. Sequencing of the Plasmodium chromosome 2 and the expand subsequent identification of proteins encoded by it will help to expand our understanding of parasite biology, a process hampered by the complexity of the parasite libroycle, and provide new targets for vaccine and drug development. Parasite resistance to drugs and mosquito resistance to insecticides have led to a resultance of malaria in many parts of the world, and there is a pressing need for vaccines and new drugs. AAA70078 to AAA70287 and AAB18044 to AAA818552 represent nactuation and protein sequences given in the present invention, but which are not and from the content of the con
                                                                                                                                                                                                                                                                                                 Claim 20: 880 II No 49344; 193pp; English.
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    (1) (especially when they are ritins or secreted or membrane proteins)
can aid the identification of drugs to treat or prevent P. falciparum

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                                                                                                                                                                                                                                    Sequence 12 Application US/09110464
Putent No. 695892
                                                                                                       SENERAL INFORMATION:
ANDLIANT: SCLUMES OF al.
LILLE OF ENVENTION: Floral Loweotic genes for manipulation of flowering in
LILLE OF ENVENTION: poplar and other plant species.
File Reference: 53375
CURRENT APPLIALISM NUMBER: 05/05/410,464
CURRINT FILING DATE: 1999-10-01
LARLIEW APPLIANT FOR RUMBER: 05/287,700
EARLIEW FILING DATE: 1999-04-06
EARTIES APPLIANT N KOMBER: 65/080,851
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APPLICANI: JULKOT, DAVIJ &
ITILE VE INVENTION: Recombinant Swinepox Varus
FILE REFERENCE: 49119 HAM.
CTERENT APPLITATION NUMBER, 052000006,9680
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NUMBER VE SEQ II NOS: 231
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CHRENT FILING TARE: 1998-03-01

EARLIER APPLICATION NUMBER: (0/060,682

EARLIER FILING TARE: 1997-03-25

NUMBER OF SEC ID NOS: 6

SUFTWARE: EISTSEC for Windows Version 3 0

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APPLICANT: Hawkins, Jennifer L.
APPLICANT: Hawkins, Phillip R.
TITLE OF INVENTION. NEW TRANSLATIONAL REGULATOR
NUMBER OF SEQUENCES: 4
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REGISTRATION NUMBER: 3
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HS 09-215 063-4
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Patent No. 6365714
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ¥5.84
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 120 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              y Match 28.0%; Score 45; DH 4; Longth L20;
Local Similarity 44.8%; Prod. No. L2;
hes 7; Conservative 5; Mismatches 4; Indels
                                                                                                                                                        SUFTWARE: FASTSEQ for Windows Version 2.0 CHRENT APPLICATION DAIA:

APPLICATION HUMBER US/20/215/85:
FILIND DATE: 17 1000/1998
CLASSIFICATION: UPsknown.
                                                                                                                                                                                                                                                                                                                   ZIP: 94-804
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
                     FILING DATE: DIKKNOWN:
ACTORHLY/ARBYT INFORMALICEN:
NAME: BOILINGS, Lucry J.
KEGISIKALION NUMBER: +6,749
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Hillman, Jenniler L.
HAWKIDS, PHILLIP K.
TITLE OF INVENTION. NEW THANSLATIONAL REGULATOR
NUMBER OF SECUENCES: 4
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             REFERENCE/DOCKET NUMBER: PF-0310 US
TELECOMMUNICATION INFORMATION:
[ELEPHONE: 415-855-0555]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AFPLICATION NUMBER: 08/809,733
FILLING DATE: 1DKHOWN
ATTORN YAJING INFARATION:
NAME: BILLINGS, LINCY J.
REGISTRATION NUMBER: 46,749
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEFTWARE: FastSEQ for Windows Version 2.0 CHRRENI APPLICATION DATA: APPLICATION ROWRED. BU/03/215,063
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER READABLE FORM:
                                                                                                                                       PRIOR APPLICATION DATA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      IMMEDIATE SOURCE:
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COMPUTER: IBM Compatible
COERDING SYSTEM: DOS
SCORREGATO
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FILING DATE: 17-DOC-1998
CLASSIPICATION: «Unknown»
REFERENCE/DOCKER MUMBER: DE O de un
                                                                                                               APPILICATION NUMBER: 08/869,733
                                                                                                                                                                                                                                                                             COMPUTER: IBM Compatible OPERALING SYSTEM: DOS
                                                                                                                                                                                                                                                                                                                                                                                            COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                       STAIR: CA
                                                                                                                                                                                                                                                                                                                                                                                                                                        CHY: Palo Alto
                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADDRESSEE: Incyte Pharmaceuticals, inc
STREET: 3174 Porter Drive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CLONE: 561632
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEFAX: 415-845-4166
TELEX: <Unknown>
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RESULT 12
Response 3. Application US/08253785
Partent No. Sectors
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REFEREN YLY YELT MANSKE 158
HELFORMENION THE MENSKALION:
LELFPHENE 145/857-1125
LNFORMATION FOR SECULT NO. 3:
SECTION FOR SECULT NO. 4:
SECTION FOR SECULT NO. 4:
                                                                                                           Short Shellarity 26.2 Marches The Conservative
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AFFILITANI: Horlf, Bruer M.
AFFILITANI: Worthich, Paul S.
FILITANI: Dietrich, Paul S.
FILITANI: Dietrich, RAGI PREFERENTIAL PROMOTEK
NUMBER OF SEGHENTES: 13
                                                                                                                                                                                                                                                                                               MatRath Protein
°∠5 c 765 a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       METHOM TYPE: Floppy disk
of MUHER: IHM EQ compatible
of FMALE: FOR THE SYSTEM. FOR INCS/MS DOS
SET WARE: FOR FOR THE Release #1.0, Version #1.25
OTHEREN AFTER ALL-M DATA:
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7.18.18.17.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                *LASSIFF ALLON: 435
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            FOR ALL ALL SERVICES AND THE PROPERTY OF THE P
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CLONE: 1658516
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                                                                                                                                                              26.28; Pred. No. 82;
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                                                                                                                        9: Mismatches
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                                      NVKHHEESALGVYS 29
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                                                                                                               8, Indels
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                                                                                                               Gaps
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RESULT 15
US-09-709-979-4
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                                                                                                                                                                                                                                                              # Sequence 4, Application US/09799979
### Patent No. 6423822
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-09-332-295-4
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Patent No. 6303372
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US-09-332-295-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-09-208-742-2; Sequence 2, Application US/09208742; Patent No. 6174679
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SEQ ID NO 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 28.0%; Score 45; DR 4: [chath 1199; Best Local Similarity 34.8%; Pred. No. 1.9e+02;
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                                                              APELICANT: Kaufmann, Joerq
TITLE OF INVENTION: CIF130 INHIBITS SELL CYCLE PENGRESSION
FILE REFERENCE: 200130.455 / 1514.00:
CUEPENT APPLICATION EDMBER: 08/09/703.479
CUERENT FILING DATE: 2000-11-09
PRIOR FILIANG DATE: 1999-06-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
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TITLE OF INVENTION: CIP130 INHIHITS CELL CYCLE PROGRESSION
FILE REFERENCE: 200130.456 / ISLA.003
CHEFFUT APPLICATES HIMPETS (1985) 19782.195
                  NUMBER OF SEQ ID NOS: 4 SOFTWARE: FastSEQ for Windows Version +.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CURRENT FILING DATE: 1999-06-11 NUMBER OF SEQ ID NOS: 4
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CURRENT APPLICATION NUMBER - US / 00/203,742
CURRENT FILING DATE: 1998-12-10
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TITLE OF INVENTION: CIF150/hTAF11150 is Necessary for Cell
TITLE OF INVENTION: CYCLE Progression
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SOFTWARE: FastSEQ for Windows Version 3.0
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SOFTWARE: FastSEQ for Windows Version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: PRT
ORGANISM: Homo sapien
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LENGTH: 1199
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ALIGNMENTS

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APPLICANT TALELSHI, NAOKO
                                                                                                                                                                                                                                    PRICE APPLICATION HUMBER OF PRICE FILING DATE: 2000-08-03 NUMBER OF SEQ ID NOS: 7059 SEPTWARE: Parentin ver. 4.0
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FILE REFERENCE: 249-125
TERRES AFE. ALL MINNERS, UNIVERSAGE
                                                                                                                                                                                                                                                                                                                                                                                                                                     PRIOR APPLICATION NUMBER, JF 5 PRIOR FILING DATE: 2000 04:07
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FRIOR APPLICATION NUMBER, 3F 5
PRIOR FILING DATE: 1994-12-16
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SEQUENCE CHARACTERISTICS:
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THIS MARKING ALTON INFORMATION:
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FILING DATE: 02-Apr-2001
CLASSIFICATION: <0nknowns
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NUMBER OF SECULIA NOS 516

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KILLS OF INVENT: N. Series ic Modifying Plant Traits

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OPEREN APPELICATE N. NUMBER: 407/03/944,455

OFFICE RAPELIAL N. DARB. 2001-08-22

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FELS REPERING LAURE: 2002-08-22
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Pred. No. 11;
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APPLICANT: Raker Kevin P.

APPLICANT: Chen Jian

APPLICANT: Desnoyers, Luc

APPLICANT: Goddard, Audrey

APPLICANT: Godowski, Paul J.

APPLICANT: Gurney, Austin L.

APPLICANT: Pau, James
                                                                                                                                                                                                                                                    Job Fedice 440, Application CQ/Def797 
: Publication No. USJ00 000 315 0.]
; GINERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                         RESULT 8
US: 10: 175-737-440
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US-10-176-758-440
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                                       APPLICANT Baker.Keyin P.
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APPLICANI Chedard, Audrey
APPLICANI Coddwaki, Parl J
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APPLICANI Codreski, Parl J
APPLICANI Surney Austin I
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APPLICANI Watanabe, Colin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Publication No. US20030008354A1 GENERAL INFORMATION:
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CURRENT FILING DATE: 2002 06-18
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THILB OF INVENTEN: ACCREDE AND TRANSHEMBARK INCOMPRISE AND ROTLED THILB OF INVENTENCE OF RECEDE ENCOURS THE SAME
FILE REFERENCE: P3430K10104
CURRENT AFPLICATION RUMBER, 05/10/176 T58
CURRENT FILING DATE: 2002-06-2;
Putor Application removed — See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 612
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Best Local Similarity 47.6%; Frest No. 2.2002
Matches 10; Conservative 2. Mismatches 5; Indels
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APPLICANT:
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: ORGANISM: Homo Sapien
US-10-175-738-440
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Publication No. US20030022295Al
                                                                                                  Query Match 29.2%; Score 47: DB 9; Length H15;
Hest Local Similarity 47.6%; Fred. No. 2.2002;
Matches 10; Conservative 2; Mismatches 5; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Zhang, Zemin
TITLE OF INVENTIAL ACTOS ENVADING THE SAME
FILLE REFERENCE: P44 ORIGOG
SURRENT APPLICATE N WHIBE: SCC. 2/17/2
CURRENT FILING DATE: 2002-05-19
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Hest Local Similarity 47.6%; Pred. No. 2.2e+92;
Matches 10; Conservative 2; Mismatches 5; Indels
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ETHLE OF INVENTION: ACKRETTE AND IRANGMEMBRAHE PSEMEDIUSES AND NOCLEOP
THELE OF INVENTION: ACKRETTE AND IRANGMEMBRAHE PSEMEDIUSES AND NOCLEOP
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CURRENT ASPECE ACTOR MEMBELE: 01/45/175,7 8
CURRENT FILING DATE: 2002-06-19
PETOT APPLICATION FEMOVED. See File Memper of Falm
NUMBER OF SEQ ID NOS: 612
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: Sequence 440, Application US/11176482 : Publication No. US20030022296A1 : GENERAL INFORMATION:

APPLICANT: Baker, Kevin P. APPLICANT: Chen, Jian APPLICANT: Desnoyers, Luc

APPLICANT:

Goddard, Audrey Godowski, Paul RESULT 12 08:10-176-482-440

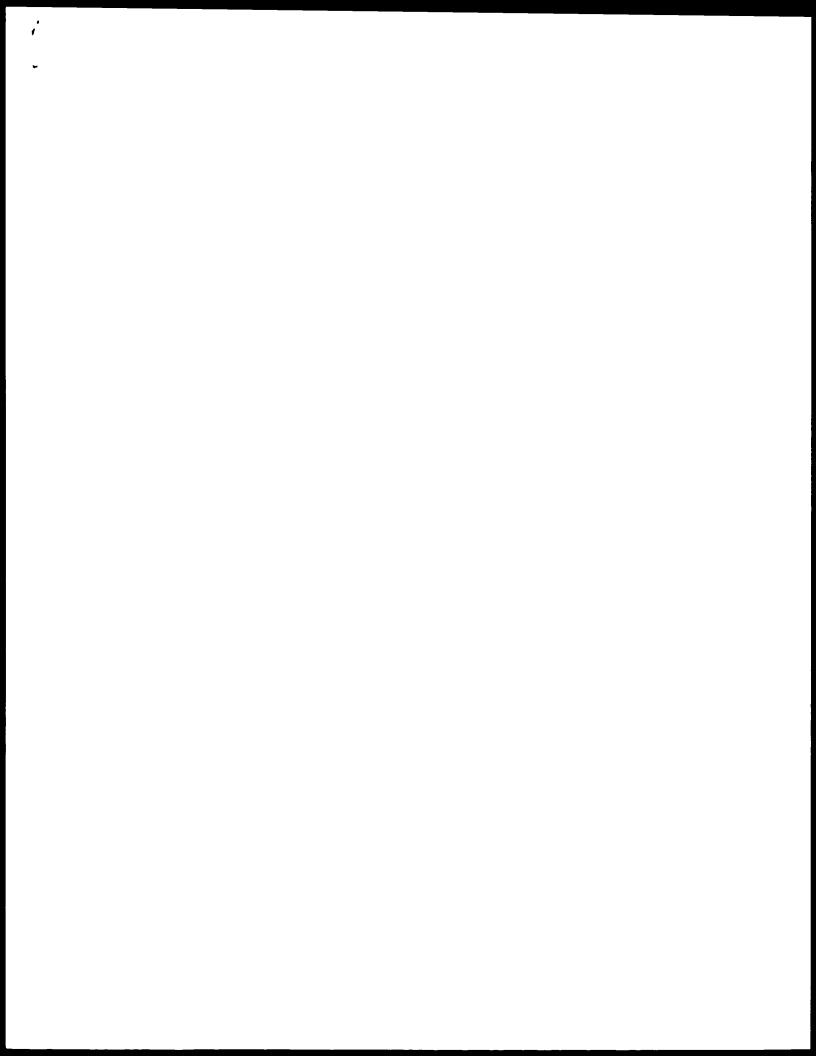
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Ad PLIPANT Chen, Taun
APPELIPANT Chengyers Lice
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                                                                                                                                                                   Sequence 440. Application US/.0176913
Publication No. US/20040022298Al
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APPLIMANT: Baket Review P. APPLIMANT: Thomastian
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CONTENT FILING DATE. 2002-06-20
FILIOT APPLICATION removed - See File Wrapper of Palm
NUMBER OF SEC III NOS: 612
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NUMBER OF SIGNID NESS: 612
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| Aocal Similarity 47.6%; Fred. No. 2.2e+02;
| Society 47.6%; Fred. No. 2.2e+02; | Indels
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Local Similarity 47.58; Pred. No. 2.2e+02;
No. 13; Conservative 2; Mismatches 5; Indeks
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Goddwski, Paul J.
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Search completed: July 8, 2003, 12:27:34 Job time + 26.7033~{\rm secs}
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US·10-180-552-440
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; Publication No. US20030022300A1
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SEQ ID NO 440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                  CURRENT APPLICATION NUMBER: US/10/180.552
CURRENT FILING DATE: 2002-06-25
Prior Application removed - See File Wrapper or Falm
NUMBER OF SEQ ID NOS: 612
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APPLICANT: Smith, Victoria
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FILE REFERENCE: P3430RIC66
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Local Similarity 47.6%; Pred. No. 2.2e+02;
hes 10; Conservative 2; Mismatches 5
                                                                                     1002 YTLPDDSTHOLLQ----PHHD 1018
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Godowski, Paul J.
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Goddard, Audrey
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ArAuthors: Hunter, J.L.: Jenkins, J.: Johnson-Hopson, C.: Khan, S.: Khaykin, b.: Kim, C.A.: Di. J.H.: Li, Y. Lin, X.: Lin, S.X. Eiu, Z.A.: Deros, J.S.: Miffi, R.: Marzia Kizzo, M.: Kooney, L.: Kowley, D.: Sakano, H.
ArAuthors: Salaberg, S.L.: Sehwertz, J.B.: Shinn, P.: Sedhweck, A.M.: Sun, H.: Fallo
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Nature 408, 816-820, 2000
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Mature 408, 816-820, 2000

A.Authors Educate, J.L., Jenkins, J.: Jahrson Hopson, J.: Khan, S.: Khaykin, E.: Kim, C.A.: Li, J.H.: Li, Y.: Lin, X.: Liu, S.X.: Liu, Z.A.: Luros, J.S.: Maiti, R.: Marzia Rizzo, M.; Rooney, T.; Rowley, D.: Sakuno, H.

A.Authors Salzberg, S.L.; Schwartz, J.R.: Shinn, P.; Southwick, A.M.: Son, H.: Jallo Ret, R.; Wa, P.: Ya, S.: Fraser, F.M.: Venter, J.C.: Bavis, R.G.

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C:Genetics Arexperimental source: cione 3D/ A:Cross=references: GB:AE001376; GB:AE001362; NID:q344510B; P1fN:AA671420.1; F1D:q384

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GIF cyclohydrolase 1 [imported] - Sull-darber chescentus CISpecies: Cambobacter crescentus CIDate: 20 Apr. 2001 #sequence_register 20 Apr. 2001 #1-com charactic Mag. 2001 Accession: B87305

Ronierman, W.C., Feldblyum, T.V., Farlsen. I.L., Nelson. K.E., Bisen. J., Geodelberg. B.: Baub. M.T., DeBoy, B.T., Nada a. F.J., Trokan. V.S., Wahn. M.J., H.C., I. H., Ko n. J.: Ermolaeva. M., White, G., Saleberg, S.L., Shaplac, L., Verter, J.J., Francet, F

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"Complete genome sequence of freponema pallidum, the syphilis spirochete.":
Science 28: 875 888(1998).
FINALLE EART OF THE BURARY TIPLES THEN LEARCH TALLOW ANDARANTS
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Friaser C.M., Norris S.J., Weinstock G.M., White o., Sutton G.G.,
Ladson E., Gwinz M., Hickey E.E., Clayton E., Ketchum E.A.,
Sodergren E., Harddon E., Mackey M.E., Salzberg S., Pererson J.,
Khilak H., Richardson E., Hawell J.K., Chidambaram M., Storback T.
Khilak H., Richardson E., Hawell J.K., Chidambaram M., Storback T.
McCounald L., Artiach P., Bowman E., Cotton M.D., Fujii C., Natland
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15 D67 1996 (Ref. 87, Created)
15 D67 1996 (Ref. 87, Last sequence update)
16 OCI 2001 (Ref. 40, Last amount update)
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                    This SWING Fe-F entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBH, outstation the European Bioinformatics Institute. There are no restrictions on its use by una profit institutions as long as its content is in no way medicided and this statement is not removed. Usage by and for commercial contents to prove the statement of the statement is not removed.
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The Conventospicia crassa.";

PROVIDE NO FIANS ESSENT AL HOLES IN REGULATION OF CELLULAR MEDIANCION OF CATALISTING THE SYNTHESIS OF A SECOND MESSENGER,
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Ademylate cyclase (EC 4.6.1.1) (ATP pyrophosphate-lyase) (Ademylyl
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sold at email to license sisb-sib.ch)
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                                                                                                                                            *ALMATIK ANTIVITY: AIP - 47,57 - cyclic AMP + diphosphate.
SIMILARITY: BELONAS TO ADENYLYL CYCLASE CLASS-3 FAMILY.
S.MILARITY: CANALAS 20 LEUCINE RICH REPEATS (LRR).
SIMILARITY: CENTAINS I PP2C-LIKE DOMA N.
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                                  Sus scrofa (Pig).
Eukaryota; Metazoa; Chordata; Crapiata; Vertebrata; Entelcostomi;
Mammalia; Euthoria; Cetartiodactyla: Saina; Suidae; Sus.
                                                                        01-MAR-1992 (Pel. 2], freated)
01-MAR-1992 (Rel. 2], last sequence update)
01-FEB-1996 (Rel. 33, Last amoutation update)
Carbehydrate-binding protein AVN-3 (Zona pellucida-binding protein
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Pfam: PF0048] | PP27; 1

Ffam: PF00556; IRR; 14.

Pfam: PF00788; RA; 1
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InterPro; IPk000159; RA_domain
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RA Rooks K., Brown D., Brown S., Chillianworth T., Churcher C.M.,

RA Genthes S., Goble A., Hamlin A., Lwyls F., Feltwell L., Brassa A.,

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RA Holroyd S., Hornsky L., Hwarth S., Hackte E.J., Hunt S., Janeis K.,

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RA Gulter S., C'Neil S., Pearson E., Quail M.A., Rabbinowitsch E.,

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1905IIE: PSSCOBB: ANK_REP_RESIGN_1.

Hypothetical protein: Repeat: ANK_repeat.

KEPEAF 25 54 ANK 2.

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16-001 2001 (Rel. 40, Last sequence update)
15-10H 2002 (Rel. 41, Last annotation update
Ars-binding protein 2.
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Woltjens I., Vanstreels E., Rieger M., Schaefer M., Mueller Auer S.
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Wood V., Gwilliam K., Rajandream N
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Bukaryota: Viridiplandae: Streptophyta; Embryophyta; Tracheephyta;
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Nada K.K. Fruzado L. Jinenez J. Sanchez M. del Rey F. Benito J.,
Amilionez A. Revuelta J.L. Moreno S. Arnstrong J. Forsburg S.L.,
Ferrutti L. Lowe T. McCombie W.R. Paulsen I. Potashkin J.,
Siptkotski U.V. Ussery D. Barrell B.G. Nurse P.
The denome Sequence of Schizosaccharomyces pombe.";
Nature 415:871-880(2002)
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Greene E.A., Erard M., bedieu A., Barker D.G.;
"MtENOD16_and 20 are members of a family of phytocyanin related ourly
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168 GTP (BY SIMILARITY).
161 GTP (BY SIMILARITY).
57 PROPERNATION (BY CHMILARITY).
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This SWISS-PRoJ entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the European Bioinformatics Institution. There are no restrictions on it use by non-profit institutions as long as its content is in no womenfitted and this statement is not removed. Usage by and for commercia
                                                                                                                                                                                                                                                                                        Johniaux J.-L., Coster F., Burnelle B., Gotteau A.;

"A J1.7 kb inA sequent on the left and of yeast chromosome XIV carries WHI3, GPK2, SPX19. SPX19, an homeloopue to the best shock gene SSBI and B new open reading frames of unknown function."

Yeast 10:10:39 10:45(1994).
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or send an email to license (sb-sib.ch).
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    FUNCTION: INVOLVED IN SIZE CONTROL POSSIBLE RNA BUNDONS PROJEIN
I SIMILARITY: CONTAINS I RNA RECOGNITION MOTIF (RRM).

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segments, RNA1 and RNA2.
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The SWEET II Country is experient. It is produced through a collaboration followers the Swiss Institute of Bioinformatics and the SWEE outstation. The Entertainment of the Institution of the ear no restrictions on its control of the Field institutions as long as its control is in no way safitfied but the statement is not removed. Usage by and for commercial country is a produced and content in the statement is not removed.
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"Two members of the ERaby geny functly are expressed differ
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RA Alakawa T. Hara A., Sekunishi Y., Konne S., Kababi J., Februda S.,
RA Alawa K., Ishwa M., Nishi K., Kispasawa H., Kasukawa T., Saito R.,
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RA Kichi M., Stanbi F., Sazaki K., Ionita M., Waumor I., Washio I.,
RA Sakai K., Ckido T., Furuno M., Aono H., Baidarelli R., Barsh G.,
RA Blako J., Boffelli D., Bojunga N., Carninci P., de Bonaldo M.F.,
RA Brownstein M.J., Bult C., Fletcher C., Fujita M., Garibolii M.F.,
RA Brownstein M.J., Bult C., Fletcher C., Fujita M., Garibolii M.F.,
RA Gustincich S., Hill D., Holmann M., Humo D.A., Kamiya M., Lee N.H.,
RA Chyons P., Marchionni L., Mashima J., Mazzarelli J., Mombaerts P.,
RA Sasaki H., Saito K., Schoenbach C., Seya I., Shibata Y., Storch K. F.,
RA Sasaki H., Saito K., Schoenbach C., Seya I., Shibata Y., Storch K., F.,
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RA Sasaki H., Saito K., Schoenbach C., Seya I., Shibata Y., Storch K.,
RA Nachima M., Saito K., Saito K.
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                                                                                                                                                                                                                                                                             Q9D361:
                       Bukaryota: Metazoa: Chordata: Craniata: Vertebrata: Bute costemb:
Mammalia: Entheria: Rodentia: Schrödnathi: Muridae: Mur mac: Mus
NCBI TaxID 10090
                                                                                     Mus masculus (Mouse)
                                                                                                                         6.53.04.03A.03R.1K
                                                                                                                                                6530403A03Rik protein.
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01-JHM-2001 (TERMELTOI, 17, Last sequence update)
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65:000:003Rsk protein (Framment).
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EMBL: AK012916: BAB28547.1;
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MIDLIND 21035660; PabMed-112170
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    Pred. No. 6.5;
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Maior U.,
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21-DEC 2001 (TrEMBLIE), 19, Last and tatlon
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01 MAY 2000 (TrEMBLEEL 13, Created)
01 MAY 2000 (TrEMBLEEL 13, Last & grace update)
01 MAY 2000 (TrEMBLEEL 13, Last and tation sphale)
                                                                                            Robles-Sikisaka R., Garcia F.K., Klimpy, K.E., Plan A.K.:
"Nucleotide sequence of 3" end of the ach me of Tarra syndrom of shrimp suggests that it is related to insert privariatificaes. Arch. Virol. 146, 541–952(2001).
EMBL: AF277478; AAC44834.1;
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MEDIJNE-2140891; PubMod 11416031;
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Walker M., Yu G., Beker J., Theologis A., Daris R.W.:
Sibmitted (DEC-1949) to the PWR /Abelsark/ULBT Utabases.
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Gonzalez A., Kremenetskaja J., Kim C., Lonz P., Li J., Liu S.,
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InterPro: IPRO01049; GH_2.
Ptam: PF00404: bockerin_1: 2.
Ptam: PF00703; Glyco_bydro_2: 1.
Ptam: PF02836: Glyco_bydro_2=0: 1.
Ptam: PF02837: Glyco_bydro_2=N: 1.
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                                                                                                                                                                                      Homo sapiens (Human)
Eukaryota: Metazoa;
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CDNA FLJ32234 [is, clone FLACE6004687]
  Ishibashi T., Kanchori K., Yosida M., Watanabe S.,
Hatuta T., Hiracka S., Murakawa K., Jakistohi S., F
                                                                                                                               NCBI_FaxID-9606;
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Troc. Natl. Acad. Sci. U.S.A. 99:596-1001(2002).
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Etergasta: Neoptera, Endeptergasta: Epitera: Erach, era, Muscomorpha:
Ephydroidea: Drosophi'idae: Drosophila.
NCBI_TaxID:7227;
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Sequence 1.	08-09-171-996-12	1876 4	26.6	42	45
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: Patent No. 6228641
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APPLICANT: Habija Jaliai
APPLICANT: Gregory D. Flower
TUTLS OF INVESTIGAT. CAMPELICAN INCAMENT OF
TUTLS OF INVESTIGAT. From Action one works.
WIMBER OF INCIDENCES: 18
                                                                                                                                                     NAME: Warburg, Richard (
RECORRATION NUMBER: 22,327
RESEMBLY YORKET NUMBER: 37,
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MOLECULE TYPE: peptide
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AFFLICATION NUMBER: 60/04'
FILING DATE: May 20, 1997
ATTO-BHIT/ACTER INTO-BARTION
NAME: Warburg, Richard !
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AFFILIATION NUMBER: 0,000,081,45
FILING DATE: Herewith
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COMPUTER REALABLE PORM:
MEDIUM TYPE: 3.5" Diskerto, 1.44 Mt
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                                        TYPE: amino acid
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STATE: California
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RELECOMMUNITATION INFORMATION:
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INFORMATION FOCKET ON 2.
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                                                                                    Shory Match (4.2%: Score (1.5) DB () Hest Local Similarity (9.4%; Prod. No. II; Matches (4) Mismatches (9)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Montminy, Marc R.
THLE OF INVENTION: Methods for Ireating Diabetes Mellitus
FILE REFERENCE: SALK1650 ]
                                                                                                                                                                                                                                                                                                                                                                      SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                             NUMBER OF SECTIONS: 4
                                                                                                                                                                                                                                                                                      ORGANISM: Mus
                                                                                                                                                                                                                                                                                                         TYPE: PRI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MOLECULE TYPE: protein
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPORNING AGENT THEORIGINATION:
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CORRESSONDENCE ADDRESS:
ADDRESSEE: Brotty, Schroeder, Broedemann &
STREET: 444 South Flower Street, Suite 2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           y Match 34.2%; Score 52.5; DB 1; Length 2441; Local Similarity 39.4%; Pred. No. 11; hes 13; Conservative 4; Mismatches 9; Indels 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: amino acid
ToPoLoGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER: (BM FC compatible OPERATING SYSTEM: PC DOS/MS DOS SOFTWARE: Patentin Release #1.0
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124 goldosti matropagitalia i pagaanpoagk 156
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                                         4. QARATSI NUFKS
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187 E. 181
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LEGGE OF INVENTION: CXCLES D.
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METINE TO THE TOP TO TH
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                                                                                                                                                                                                                                                                                                                                                                                                                                       FILING DATE: 19921014

CLASSIFICATION: 4.45

FRIOR APPLICATION DATA:
APPLICATION MARKE: US 07/800,215

FILING DATE: 255-80V-1991

AFTORREY/AGREET MERCHÁNICH:
NAME: BOTTOR, SCOUL R.
REGICTERATION HERMALICH: WEYE 200-50-08A

IFELECOMMUNICATION HERMALICH: WEYE 200-50-08A

IFELECOMMUNICATION HERMALICH:
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                                                                                                                                                                                                                                                              TELEFAX: 415-433-8716
TELEX: 278356
INIGREATION FOR SEQ ID NO:
CHQUINCE CHARACTERISTICS:
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HYPOTHETICAL: NO ANTI-SENSE: NO
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APPLIMANT: Bendiman, Mosho
APPLIMANT: Geltand, David H.
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LENGTH: 493 ability acids
Typology: linear MOLECTLE TYPE: protein HYPOTHETICAL: NO ANTI SENSE: No
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OPFNATING XVSIEM PC tooSyMS hos
SOFTWARE: Patentin Release #1.0,
SOFTWARE: Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER, PC1/CD54/087
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STATE: CA
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APPLICANT: TANARE SETVAKU 90. LPD.
APPLICANT: LANDOPHI, TOMOVUSE
APPLICANT: ELEMANI, ADRIGO PER IDENTIFYIMI OR GEREBUIRG ACCURET AND ARTAGONIST TO
TITLE OF INVINCION: METHOR PER IDENTIFYIMI OR GEREBUIRG ACCURET AND ARTAGONIST TO
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CHREEN'S FILING DATE: 2000-02-28
PRIOR AFFLIANCE: 1998-08-24
EKI & AFFLIANCE: 1998-08-27
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APPLICANT: JACORSON, Eldino L.
APPLICANT: AME, Jean-christophe
APPLICANT: LIN, winston
LILLE OF INVENTION: GENER EMPERING SEVERAL FOR (MSP KIRGES SEVERYES (ASE (FARG))
LILLE OF INVENTION: THE TROTEING AND FRABERTS HERBER, AME AND RETLES EMMINORARY
FILE REFERENCE: NIAD 201
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| 125 | QCDSSAPSI,PKQAASTSGPI,PAASQAI,NFQAQK | 157
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                109 SVOKDNEYPHKVEKLENVPQINLDKSPTEKSSQYLNQQQT 148
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                                                           2 TIQADSYSP------NLPKS-TTEAAKMMNQQRT 28
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                                                    CORRESPONDENCE 29
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                                                                                                                                                                          DB 4; Length 2442;
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: Sequence 2. Application (SZCB 21714): Farent No. 5470-75
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Medification Type: peptide
media: 445-th
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INCREMENT WITH SEQ TO NOT 16:
                                                                                                                                                                                        ACTION WITE SHARE BUILD A NOVEL SERP, N WITH CITES OF INVENTION. MASPIN. A NOVEL SERP, N WITH CITES OF INVENTION OF STERRESSING ACTIVITY NUMBER OF SECTION OF SECTION
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SHEET: FAR West Fifth Street
SHEET: State 4700
CITY: Los Anades
CAMPE: Salitorna
COMPY: U.S.A.
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State: Les Franklin Street
Clare & Stot
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Country Clara
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29.7** Score 47: DB 4; Length 822;
Lawal Similarity 41.7%* Pred. No. 23;
hes loc Conservative 5; Mismatches 9; Indels
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RESULT 14
US:08-477-108A-2
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HS-08-121-714-2
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28.5%; Score 45; DR 1: Length 375.

Rest Local Similarity 47.4%; Proceeding 8: 20;

Matches 9: Conservative 3: Mistatches 7: Indeks
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TELEX: 200154
INFORMATION FOR SEQ ID NO: 2:
                                                                                                                                                                                                                                                                                                                                                                                                                                    GENERAL INFORMATION:
                                                                                                      APPLICANT: ARISOWICZ, ARITHORY
ITTLE OF INVENTION: MASPIN, A NOVEL SERBIN WITH
TITLE OF INVENTION: TUMOR SUPPRESSING ACTIVITY
NUMBER OF SEQUENCES: II
CORRESPONDENCE ADDRESS:
                                                             PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Sager, Ruth
APPLICANT: Zou, Zhiqiang
                                                                                                                                                                                                                                                        SIREET: L. SIREET: Massac
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEPHONE: (617) 542-5070
TELEPHONE: (617) 542-8070
TELEPAX: (617) 542-8906
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/038 923
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MEDIUM TYPE: 4 5" Diskette
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CURRENT APPLICATION DATA
                         APPLICATION NUMBER: 08
FILLING DATE: 08/01/93
                                                                            CLASSIFICATION: 536
FILING DATE:
               APPLICATION NUMBER:
                                                                                                                                                                                                                                       COUNTRY:
                                                                                                                                                                                                                                                                                                      ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: FILING DATE: 02/28
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SOFTWARE: WordPerfect (Version 5.1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER: IBM PS/2 Model 502 of 555X OPERATING SYSTEM: MS-DOS (Version 5.6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER
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                                                                                                                                                                                                                                                                                     225 Franklin Street
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09/01/92
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               07/938,823
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has isolated polymententide and encoded polypoptides, useful in lannesties, torensies, dene mapping, identification of mutations spensible tor denetic disorders or other traits and to assess
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Best Local Similarity 44.4%;
Matches 10; Conservative
Claim 1; Page 32-39; 46pp; English.
                                                responsive genes
                                                     Identification of a compound having properties characteristic of {\rm sep} , which inhibits and/or promotes the activation of cAMP and pickets.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (11). (11) is useful for generating antibodies adminst it, detection quantitating a polypeptide in tissue, as molecular weight markets and as a food supplement. (11) and its binding partners are useful in medical discorders involving aberrant protein expression or biological activity, diagnostics, forensics, gene mapping identification of mutations in responsible for genetic disorders or other traits to assess biodiversity and to produce other types of data and products dependent on DNA and diagnostic amino acid sequences afforms the invention.

Note: The sequence data for this patent did not appear in the printed specification but was obtained in exerctionic format directly from with specification. But was obtained in exerctionic format directly from within
                                                                                                                                                                                                                                                                                                                                                           17-AUG-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                               Unknown.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CREB binding protein: inhibition; promotion; activation; (AMPC) cyclic adenosine monophosphate; reporter deno; reporter construct;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         transcription factor; identification; activation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CREB binding protein.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               polynucleotides are also used in diamostics as expressed sequence taus
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                design) accepts a great be the protein independent sequences of human case place hat use help. The protein is expressed in human normal total lackages the protein sequence is the protein of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Handler Store 140; 188 22; Length 700; Charler C. V. Lendth 700; Pred. No. Sheets:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AACA: '4.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Lymphoid Protein Tyrosine Phosphatase; Lyp protein: lymphoid cell; intracellular tyrosine phosphatase; PTFase; lymphocyte; thymnocyte; T cell. B cell, protein tyrosine kinase. PTKs. immunosuppressant: T cell anticen receptor signalling; cytokine receptor signalling; autoimmune disease; transplant.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 serine/threonine kinase) are used to promote neuronal survival, particularly for treating Alzheimer's, Parkinson's or Hunthodton's diseases. Nucleic acid frauments of the polynucleotides encoding the proteins can be used as probes to identify and clone related Sequences; to detect protein encoded KNA; to generate transgenic animals and in
                                                                                                                                                                                                                                                                                                                                                                                                                                              Binding site
                                                                                                                                  W09936548-A1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     01-0(1-1999 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAY28652 standard; Protein; 808 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence
                                                                                                22-JIII.- 1499
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          807 AA;
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/note: "Unique sequence recognised by phosphotyrosine binding (PTB) domain."
                                                                                                                                                                                                                                                                                                                                                                                            694..701
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                                                                                                                                                               /label SHP.binding_site
/note "Proline rich sequence"
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/uote- "Froline tich sequence"
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/note "Single catalytic protein tyronine phosphalase
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                                                                                                                                                                                                                                                                                                      Zhabel 1938 sequence
Zhoter "Sequence rich in Pro, Glu or Asp, Ser and Thr"
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                                                                                                                                                                                                                                                                     "Consensus sequence recognised by placed kinase"
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this polypoption sequence comparises CHP, a global transcriptional vertical is involved in the regulation of various in Authority and the second transcriptional factors. The invention relates to a court transcript onal factorist deviates. EVANT (see AAWH-752), that is additions transcript four through binding to P00 and CBF (see AAWH-752). The invention through binding to P00 and CBF (see AAWH-752). The invention provides methods of screening to
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  W(x) is three preceding associated factor. PyCAP — used to down the facts to marking and transcription, e.g. for treating HIV intention of convers or to promoting muscle differentiation
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Fred: No. 70;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
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                                                                                                                                     The present sequence is the mouse belief CHEB blinding private (THE). CREB is the cyclic AMP (cAMP) response element blinding private. The cooperates with upstream activates are knowledged in teach of its table activation. Signal transduction by AMP appears to be involved in the activation of consistent dependent diabetes me. Pus (NIDAM), and so the table of constant in dependent diabetes me. Pus (NIDAM).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      mise difference 377
to a reporter gene can be monitored. \delta n_{\rm F} test can reporter gene expression would be a CAMP lettical
                                         inhibition of cAMP signal transdertion, which would load to gene transcription inhibition, may be a possible target for therapy. To identify possible (AMF activation inhibitors, to expression of a reporter construct comprising a SAL4 response element operatively
                                                                                                                                                                                                                                                                                 Disclosure: Column 29-42: 25pt; Enalish.
                                                                                                                                                                                                                                                                                                                             response to exposure of the compound in a modified host cell
                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 2000:175490/32.
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A.Accession: TO 4460
A:Status: preliminary: translated from GB/DMBL/DDBJ
A.Molecule Type: mRNA
A:Residues: 15 89 (SHE)
                                                                                                                                                                                                                                                                                                                                                                                                                       submitted to the EMBL Data Library, February 1997
A:Description: LIM domain contaching protein of Nicotiana tabacum
A:Reference number: Z14931
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 C;Accession: T03400
k;Shen, W.H.; digot,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     probable transcription factor SF3 - common tobacco
NiAlternate names: LIM domain protein
Cipactes: Nicotiana tabacum (common tobacco)
Cipate: 24 Mar 1999 #sequence_revision 24 Mar 1999 #fext_charge 15-Jun-2001
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E:462-661/Demain: CREB binding #status predicted CBB.
E:111-1168/Demain: bromodomain tomotomy.REO.
E:128-c-1811/Region: zinc tinger CCC motif
E:128-c-1811/Region: zinc tinger CCC motif
E:1707-1732/Region: zinc tinger CCC motif
E:78, 481,745,1172,1533,264,2653,234/Binding site, phosphate (Ser) (covalent) (by calmodu E:78,481,745,1172,1533,264/Binding site.)
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                                                                                                      C: Keywords: DNA binding
                                                                                                                                                                                                                                  A: Tross-references: EMBL:YT1002
A:Experimental source: Strain Bright Yellow
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A:Residues: 1-143 -FUL>
A:Closs-reterences: EMBL:039676: NID:q1049427: PID:q1049429: PIDN:AAB37031.1: GSFDB:C
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          A:Gene: CESP:C23F12.3
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A:Description: The sequence of C. elegans cosmid C2RFL2
                                                                                                                                     (Superfamily: mouse mascle LIM protein MLP; LIM metal binding repeat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
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A:Reference number: Z22238; MOID: 4700(141; EMID:8812474
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A; Residues: 1-443 - BEV
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hypothetical protein P17A8.140 · Arabidopsis thalian: CLSpecies, Arabidopsis thaliana (mouse car cless)
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RECEVAN, M.; Marphy, C.; Ridley, F.; CLSpecies, Scribart tt, it; Mowest, L.W.; submitted to the Protein Sequence Catalase March 1999
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C:Keywords: DNA recombination; transcription factor
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A.M.O.Coule type, mRNA
A.M.O.Cous: 1-2282 40HL5
A.O.Cous: references: EMBL:1468E5; N.D.Cat.977885; F.D.:11977886; F.D.N.AAR40884.1
A.Experimental source, strain BALB/C, J.Due II, thymcoyte, Brain
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C:Supertamily: pyrophosphate-functose-6-phosphate l-phosphotransferase aipha chain: 6
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R:Shirai, M.: Hirakawa, H.: Kimere, M.: Tabuchi, M.: Kishi, F.: euchi, K.: Shiba, T.:
Nucleic Acids Res. 28, 2311-2314, 2000
A:Iitle: Comparison of whole genome sequences of chlamydia pneumoniae :138.
A:Reference number: A86491; MC(D:20330349; PM(D:10871362)
A:Accession: H86816
                                                                                                                                                                                                                                                                                                                                Archoss references: GB:BA0000000; MID: H978531; PIDM:BA098418.1: GB98-CMAC142
ArExperimental source: strain J138
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                                                                     Onery Match (0.4%; Secto 48; 108.2) Langth 5% Bost Local Similarity 41.4%; Fred. No. 45; Middle Mitcher 12; Conservative 4; Midmatcher 8; Indels
   1 HTLOAD- ---- SYSPNLPKSTTKAAKMM 23
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2 HPLYVILLDILISSYSPPLPKEFOEAASLI 40

pyrophosphate fructose 6-phosphate T-phosphotransterase, beta chain CPOS59 [imported] C:Species: Chlamydophila pheumoniae, Chlamydia pheumoniae C:Date: 2-Apr:1999 #sequence_revision: 2+Apr:1999 #text_change il-May 2000 C:Accession: A72106: F81565

R:Kaiman, S.; Mitchell, W.; Marathe, K.; Lammel, C.; Fan, J.; clinger, L.; Nature Genet. 21, 385-389, 1999
A:Title: Comparative decomes of Clamydia pneumoniae and C. trachomatis. A:Reference number: A72000; MUID:99206606; PMID:10192388
A:Accession: A72106

A: Molecule type: DNA A: Residues: 1 550 < ARN>

A;Cross references: GB:AE001697; GB:AE001363; NID:q4376474, F:DN:AAO18361.1; PID:q437 A;Experimental source: strain CML029 R:Read, T.D.; Brunham, R.C.; Shen, C.; Gill, S.R.; Heidelberg, J.F.; White, O.; Hicke

C.: Dodson, R.: Gwinn, M.: Nelson, W.: DeBoy, R.: Kolonay, J.: McClarty, G.: Salzbe Nucleic Acids Res. 28, 1897-1406, 2000 A:Iiile: Genome Sequences of Chiamydia trachomatis MoPh and Chiamydia pheumoniae ARGA A:Reference number: ARTS00, MCID:EFE8255; FMID:10684945 A:Accession: F81565

A:Cross-reterences: GB:AE002214; GB:AE002161; NID:g7189460; FIDN:AAF88479.1; PID:g718 A:Experimental source: Strain AF89; H. cells A; Molecule type: DNA A; Kesidues: 1 550 < REA>

Soliteness

Assenct ptkA_2: GP0559 Cysupertamity: pyrophosphate-fructose 6 phosphate i phosphotrausterase aipha chain; i The 2: Tendity of

Outery Match (0.4%, Score 4m; 10k host Local Similarity 41.4%, Fred. No. 4%, Matches 12; Conservative (Mismatches 2 HPLYVOLDTIISSYSPP_PKEFQEAASLI 30 1 HELDARY --- SYSENLEKSTEKAAKMM 2:

Search completed: July 8, 2003, 12:12:17

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Buttout No. US2002-013801AI
BENERAL INFORMATINE
                                                                                                                                                                          overy MATCH 94.3% Score 149; DB 10; Lebyth 807; best Local Similarity 100.3%; Pred. No. 3.7c-14; BRTThes 25; Forservative 0; Mismatches 0; Indels
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REJISTRACT W PMRP, 32,327

REFERENCY NO PROBRET 27,253

FERENCH AND N. PROBRATION

FELECHONES (213) 484-1600

FELECHONES (213) 935-3440

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INFERMALS NO PER SECULD NO. 2:
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SEGMENOR DESCRIPTION: SEQ ID NO. 2:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQUENCE THARACTERISTICS: LENgle: Mo7 amino acids
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>17 HILLAI SYSENLEKSE KAAKMMNQQRTK 345
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STATE: Palifornia
PANIFY: U.S.A.
PIP: MOCTI 2066
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FILING DATE: 02-Apr-2001
(LASSIEICATION: «Unknown»
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US-10-109-886-8
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       Matches
                                                Ouery Match
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Ouery Match 32.9%; Score 52: 08-9; Lordth 33; Best Local Similarity 47.4%; Prod. No. 7.3; Matches 9; Conservative 5, Missurches 5, Indees
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CURRENT FILING DATE: 2002-03-22
PRIOR APPLICATION NUMBER: 09/925,298
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PRIOR FILLING DATE: 2000-02-28
PRIOR FILLING DATE: NUMBER: PTT/CT09/CO
PRIOR FILLING DATE: 1998-08-24
PRIOR FILLING DATE: 1997-08-27
PRIOR FILLING DATE: 1997-08-27
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CURRENT APPLICATION NUMBER- US/10/109,886
CURRENT FILING DATE: 2002-04-01
                                                                                                                                                                                                                                                                                                                                                                                                                    PRIOR FILING DATE: 1999-03-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Rosen et al.
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SOFTWARE: Patentin Ver. 2.0
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                                                                                                             OTHER INFORMATION: Xaa equals any of the naturally occurring
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                                                                                                                                          NAME/KEY: SITE
LOCATION: (285)
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Sequence 12610, A	Sequence 23, Appl	Sequence 20, Appl	Sequence 35, Appl	Simplement 13042, A	Sequence 136, App	Sequence 13306, A	Sequence 607, App.	Sequence 60s, App	Sequence 12651, A	Sequence 5723, Ap-	Sequence 148, App	Sequence 19, Appl	Sequence 4171. Ap	Sequence 4, Appli	Sequence 4, Appli	Sequence 58, Appl	Sequence 57, Appl	Sequence 435. App.	Sequence 436, Арр	Sequence 50, Appl	Sequence 10. Appl	Sequence 4559. Ap	Sequence 8, Appli	Sequence 27, Appl	Sequence vi. Appl

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-18086A: INCOMMITION
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FROM A REPLICATION NUMBER: UN CO/240,508
FROM A CAPTION NUMBER: UN CO/240,508
FROM A PRICALING NAME ZEED TO GO/240,503
FROM APPLICATION NUMBER: UN CO/240,503
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APPLICANI: Statingth JIII Albert F.
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IIILE OF INVENTION: CLASE MEMBRANE PROTEINS
FILE REFERENCE: 03-65-4-00-01-03-9
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LITER OF ENVENTION, TRUSKARY HE MEVESCH MANSCHIPTASE
MUNICIPAL SIQUENCES, 52
ANGRESPONDENCE ADDRESS:
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                                          ADDRESSE: WEISER & ASSOCIATES
SINTE: 238 South Fittoenth Street, Suite 500
TITY: Philadelphia
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US-10-062-937B-5
SCHARLOW 5. APPLICATION CONTOCENTE FABILICATION NO. US20070022195A1
FIGUREAL INFORMATION:
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; OBCARLSM: Fresophila melanogaster
US-09-808-483-2
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                                                                                                                                                                                RESULT 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQ ID NO 2
LENGTH: 524
                                                                                                                                                                                                                                                                                                                                      Ouery Match 30.4%; Score 48; DB 10; Length 524; Best Local Similarity 50.0%; Pred. No. 51; Matches 4; Conservative 5; Mismarches 4; Indels
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Bost Local :
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TITLE OF INVENTION: Liquad-vated anion channels of insects
FILE REFERENCE: Le A 34 397
TIPETAT AFTITATION NUMBER 107 (90.908.483
                 THILE OF INVENTION: 59914 and 50921, CERTINE TRANSPORTERS FITLE OF INVENTION: AND USES THEREPUR
                                                                  APPLICANT: Curtis, Rory A.J
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FILE REFERENCE: MPI200:-005PIRM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SOFTWARE: Patentin Ver. 2.1
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MOLECULE TYPE: protein
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ATTORNEY/AGENT INFORMATION:
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Follows Score 47.55 (18.96) Length 65.6 best focus Simplerity (v. 66) Pred. No. 70

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: Sequence 6883, Application US/09788626
: Publication No. US20020197605A1
: GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Overy Match. 29.7%; Score 47; DB 9; Length S1; Best Local Similarity 44.4%; Prod. No. 4.6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEC ID NO +624
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 4629, Application US/09764891 Fublication No. US20080077808Al SEMERAL INFORMATION:
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IIILE OF INVITANT MICHER Acids, Proteins, and Antibodies

FILE REFLERENCE, PRONG

CURRENT AFTLICATION KUMBER, 03/09/764,891

CURRENT FILING DATE: 2001-01-17

Prior application data removed - consult PALM or file wrapper RUMBER OF SEC ID NOS: 10231

SOFTWARE: Patentin Ver. 2.0
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                                                                                                                      APPLICANT: MIZOGIUTH, HIROS
APPLICANT: HAYASHI, MIKIRO
APPLICANT: HAYASHI, MIKIRO
APPLICANI: COHIAI, KEIKO
APPLICANI: YOKOI, HARUHIKO
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                     APPLICANT: IKEDA, MASATO
APPLICANT: CZAKI, AKIO
                                                                                                                                                                                                                                                      APPLICANT: NAKAGAWA, SAFOSHI
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FRIOR FILTING DATE: 1998-08-24
PRIOR APPLICATION NUMBER: JF2 (1884/1997
FRIOR FILTING DATE: 1997-08-27
NUMBER OF SEQ ID NOS: 10
SHILLSHILLSMYTOR THACK TWOILINHAND SO HILL
                                                                           ARREST CAME:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            OTHER INFORMATION: Xwa equals any of the naturally occurring L-amino acids NAME/KEY: SITE LOCATION: (42)
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Local Similarity 36.4%; Fred. No. 3.8e+02;
thes 12, Gosservative 5, Mismatches 9, indels 7,
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                                                                        SENCH, AKIHIRO
                                                                                                     TATEISHI, NACKO
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RESULT IS

US-10 [80-140-3]

Paymence 31 Application US/10156239

Payment on No. US230030034074A1
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FROM APPLICATION NUMBER: 60/185,906
PRICE FILING DATE: 2000-02-29
FROM APPLICATION NUMBER: 09/809,557
FROM FILING DATE: 2001-03-15
FROM APPLICATION NUMBER: 09/809,557
FROM FILING DATE: 2001-03-16
FROM FILING DATE: 2000-03-24
FROM APPLICATION NUMBER: 09/808,568
FROM APPLICATION NUMBER: 09/808,568
FROM APPLICATION NUMBER: 09/808,767
FROM APPLICATION NUMBER: 09/103,767
FROM APPLICATION NUMBER: 09/103,767
FROM APPLICATION NUMBER: 09/103,767
FROM APPLICATION NUMBER: 09/103,767
FROM FILING DATE: 2000-03-24
NUMBER OF SEQ ID NOS: 60
NUMBER OF SEQ ID NOS: 60
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APPLICANT: Kapelior-Libermann, Rosana
THILE OF INVENTIANE NA. US20830036074AFAL Nucleie Acid Sequences Encoding Human Trans
THILE OF INVENTIANE Afrase Molecule, A Human Objquitin Hydroiase-Like Molecule, A Hu
THILE OF INVENTIANE Objquitin Conjugating Enzyme-Like Molecule, and Uses Therefor
FILE REPERBANCE: 4580/0247645
TEPREPRINCE: 4580/0247645
THE THIRD TABLE: 2007-055-244
THE THIRD TABLE: 2007-055-244
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Local Similarity 50.0%: Pred. No. 36;
hts. Lit Maservative 4: Mismatches
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                                                                                                                                                                                                                                    daten 29.7%; Score 47; DB call Similarity 31.3%; Pred. No. 74; conservative 9; Minmatches
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                                                                                                                     E II JAUSYSPNIEKSTEKAAKMMNOOPEKO 30
SIKAEETSIISKERSELMEEKOMSEEEETC 406
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: Sequence 31, Application US/09795693
: Patent No. US20020068710A1
: GENERAL INFORMATION:
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CURRENT APPLICATION CONTROL
COURTENT FILING DATE: 2601-02:28
PRIOR APPLICATION NUMBER: 60/189
PRIOP FILING DATE: 200C-02-29
NUMBER OF SEQ ID NOS: 42
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-U9-795-693-31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 15
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US-10-199-485-31
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LENGIH: 529
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                                                                                             Matches
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SOFTWARE: FastSEQ for W.ndows Version 4.0
SEQ ID NO 31
LENGTH: 529
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IILLE OF INVENTION: 20685, 79, 17114, 23821, 33894, and
IILLE OF INVENTION: 32613, No. US2C020068710A1e1 Human Transporters
FILE REFERENCE: 35800/209292
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Silos-Santiago, Inmaculada
TITLE OF INVENTION: 20685, 579, 171(4, 2382), 3 0044, and
FILE OF INVENTION: 3613, NO. US20930077626Alo: Human Transporters
FILE PEPEPEPOCE: 35909/249468
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i SCHACELLHIAR DOCATION: Nuclear (Potential).
i TISSUE SPECIFICITY, EXPRESSION RESTRICTED
                                                                                                                                                                                                                                                                                     developing forebrain and are induced by planar signals.";
                                                                                                                                                                                                                                                                                                               Papalopaid N., Kinther C.R.:
"Xinopas bistal less felated boundabas denes are expressed in
                                                                                                                                                                                                                                                                                                                                                                            MIDGINE 94314588; PubMed 8100768;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Amphibia; Batrachia; Amura; Messbatrachia; Pipoidea; Pipidae
Xemopedinae; Xemopus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Xenopus laevis (African clawed frog).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Homeobox protein DLL-4 (XDLL-4).
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Plan; PP02189; Zi TAZ; 2.
Plan; PP02172; KIX; 1.
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InterPro. IPR000197: IAZ_Hinger.
InterPro. IPR000434: Znt.ZZ.
Ptadm: PF000439: Promodomain: 1.
                                                                                                                                                                                                                                                                                                                                                                                                            TISSUE-Neurala;
                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           William ID 8355;
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                                                                                                                    TISSUE SPECIFICATY. EXPRESSION RESTRICTES TO ANITERIOR ECTODERMAL DEFIVATIVES, NAMELY THE VENTRAL POREBRAIN, THE CENANIAL NEURAL CREST AND THE CEMENT GLAND. ALSO EXPRESSED IN THE DEVELOPING FYE SIMILARITY: HELONGS TO THE DISTAL LESS HOMEOHOX FAMILY.
                                                                                                PROTEINS.
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39.4%; Pred. No. 1
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                                                                                                                                                                                                                                                          Hiles K.H., Petrij F., Dauwerse H.G., den Hollander A.I., Losinik vo. E., van commen S.L.B., Goodman K.H., Deaven L.L., Dosdett N.A., Peters D.J.M., Breuning M.H.; "Construction of a L.2-Mb contig surrounding, and molecular analysis of the human CAPA-binding protein (CBP/CKBBBB) gene on chromosome
        "A F^{(0)}/^{2}{\rm He} associated factor that competes with the adenoviral subspace in FIA.":
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Forkaryota: Metaroa: Chordata: Craniata: Vertebrata: Euteleostom:
Mammalia: Eutheria: Primates: Catarrhin!; Hominidae, Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Chi. HUMAN SIANDARD; PRT: 2442 AA. 155 JHC 1994 (Rot. 36, Treated)
15 JHC 1994 (Rot. 36, Treated)
15 JHC 1998 (Rot. 36, Last sequence update)
15 JHC 2092 (Rot. 41, Last annotation update)
                                                                          NIEKATION WITH POAF
                                                                                                                                                                                                                                           Propositive 42: 46-144(1997)
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FR (STIE: PSOUC27: HOMEOROX_1: 1
LK (STIE: PSOAC21: HOMEOROX_2: 1.
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(82111 + 824 (1996)
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                                                               Personal 7:
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                                   COLFIT: PubMed.8684459;
COLFIT: Howard B.H., Nakatani Y.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2: PubMed 92:8046;
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42.9k;
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SMART; SM00291; ZnF_ZZ; 1
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    Local Similarity 36.4 hes 12; Conservative
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InterPro; IPR003101; KIX.
InterPro; IPR00197; TAZ_finger.
InterPro; IPR000433; Zni_ZZ.
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EMBL, U89354; AAC51339.1;
EMBL; U89355; AAC51340.1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  use by non-profit institutions as long a modified and this statement is not removed, entities requires a license aurocases (see )
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TRANSFAC;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   EMBL: U47741; AAC51770.1; -.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   or send an email to licensegisb-sik.ch).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       -1- SUBUNIT: Interacts with SMADI, SMAD2, SMAD3 and PCAF.
-1- SUBCELLULAR LOCATION: Nuclear.
-1- DISEASE: INVOLVED IN ACCUSE LECKERIAS BY CHROMOSOMAL TRANSLOCATIONS TRAVOLVED ON A CONTROL OF AND BY AND L(11;16) (C24;P13,3)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            -1- SIMILARITY: CONTAINS 1 ZZ-TYPE ZINC FINGER.
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DISEASE: DEFECTS IN CREEKE ARE THE CAUSE OF RUBINSTEIN TAYED SYNDROME (RTS), A DISORDER CHARACTERIZED BY CRANICFACIAL ABNORMALITIES, BROAD THUMBS, ENCAD BIG FORS, MENTAL HEFTARDATICH AND A PROPENSITY FOR DEVELOPMENT OF MALICHANCIES.
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5: Misratches
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V => L (IN REF. 2).
N -> F (IN REF. 2).
T -> P (IN REF. 2).
MW: 42D08451 (475FR)2 CRC64;
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POLY-GLN.
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[Solida (1987)]

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Plan: PP02785; Riotin_Carb_C: 1.
Plan: PP00284; Riotin_Hoogi 1.
Plan: PP00289; CPSASE L chain; 2.
Plan: PP02786; CPSASE L b2; 2.
PROSITE: PS00486; CPSASE 1; 1.
PROSITE: PS004867; CPSASE 2; 1.
                                                                                                      FHRE_M UNI STANDARD. FRT. 802 AA.
P20472;
01 DB7-1992 (Rel. 24, Created)
01 DB7-1992 (Rel. 24, Last sequence update)
15 JUN-2002 (Rel. 41, Last sequence update)
Protein-tyrosine phosphatase, non-receptor type 8 (Rel. 4.1.4.48)
Protein-tyrosine phosphatase, non-receptor type 8 (Rel. 4.1.4.48)
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CONFILICT
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BINDING
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Mammalia: Butheria: Rodentia: Sciuroquathi; Muridae: Murinae: Mus
                           Mus musculus (Mouse).
Bukaryota: Metazoa: Chotdata: Staniata: Vertebrata: Enteleest.ml.
                                                                                 BLI PNB
                                                                                                    (Hemalopoietic cell protein tyrosine phosphatase 70% PEP)
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InterPro: IPROUI882; Wiotin
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           use by non-profit institutions as long as its content is modified and this statement is not removed. Usage by and found files requires a lice-of through (5-6-6-7) [[www.l-1-6-6] or send an email to liceuse disb-sib.ch).
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SUBMELLYTAR LOTATION: Mitochondrial matrix.
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MITHERWALLEN (DEPENTIAL).
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33.3%: Prod. No.
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BIOTIN (BY SIMILARITY).

V -> D (IN REF. 1).

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MEDIANE 92236615; PubMed 1373816; Matthews R.J., Bowne D.B., Fiores E., Thomas M.

SEQUENCE FROM N.A.

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This SWISS PROJ outry is copyright. It is produced through a collaboration between the SWISs institute of Bioinformatics and the EMBL outstation - the Suropens Bioinformatics institute. Increare no restrictions on its
                                                                                                                      "Characterization and time localization of two new genes in Xq28 using the demands sequence/ESI database screening approach.";
                                                                                                                                                               MERCENT R (1821, Fabbod 826615);
Faranda S., Frattini A., Zachi I., Patrosso C., Milanesi I.,
Mentaana C., Veztoni P.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            HEMAN
                                                                                                                                                                                                                                                                                                Mammallo: Fitheria, Frimates: Catarrhini: Hominidae: Homo.
N:Bi_LaxID 960m:
                                                                                                                                                                                                                                                                                                                                    Homo Sapiens (Human).
Bokaryatan Metales (Human).
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_14557;
                                                                                                                                                                                                                                                                                                                                                                                                                         ol-NoV-1997 (Ref. 35, Created)
ol-NoV-1997 (Ref. 35, Last sequence update)
lb-ocY-2001 (Ref. 40, Last annotation update)
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HSSB: QCF121: ZSHP.
MSB: WILLIOTTE: PUPAB.
HSCCPT: TERCO-387: FVK_phosphatase.
HsterPro: [ERO0-387: TVK_ph.
                                                                                                                                                                                                                                                                                                                                                                                                          ITBA2 protein (DXS98/9E).
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FROSTIE: PSAO(3), TYE_PHOSPHATASE_1: 1.
FROSTIE: PSCAO56: TYR_PHOSPHATASE_2: 1.
FROSTIE: PSCAO55: TYK_PHOSPHATASE_PTP; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           however the Swiss institute of Bioinformatics and the FMEL outstation the Elepson Biviliormatics institute of Bioinformatics and the FMEL outstation the Elepson Biviliormatics institute. There are no restrictions on its use by non-posit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial
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hes lib conservative
                                                                                     omics 44:423-827(1996).
HISSOF SEBOLFICITY: UBIQUITOUS.
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MOI. Phylodepatt. Evol. 15:157-164(2000);

-i. FUNCTION: COMPONENT OF THE INSTITUTE OF STATEMENT O
                                                                                                                                     A CNAUGAS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The Duropean Bioinformatics Institute. There are no restrictions on use by non-profit institutions as lond as its content is in no modified and this statement is not removed. Usage by and to common entitles requires a license agreement (See by the Provess of the Common or word and to be a second of the common or word and content is not represent the common or word and to be a second or word and the license agreement (See by provess of the Provess of the Common of the Common
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Rioinformatics and the EMMH outstation the European Bioinformatics Institute. There are no restrictions on its
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SUBJUNT: THE MAIN SUBJUNTS OF COMPLEX B C1 ARE: CYTOCHROME B.

CYTOCHROME C1 AND THE RIESKE DRIVEIN (BY SIMILARITY).
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Best Local
                                                                              STRAIN MSNA / DSM 8109;
MREDLINE 99287416; PubMed 10860871;
Nelson K.F., Clayton K.L., Gill S.R., Gwinn M.L., Dodson R.J.,
Nelson K.F., Clayton K.L., Peterson J.L., Nelson W.J., Kotchum K.A.,
Hatt C.H., Hickey E.K., Peterson J.L., Linher K.D., Garrott M.M.,
McDonald L., Ottonback T.R., Milek J.A., Linher K.D., Garrott M.M.,
McDonald L., Otton M.D., Pett M.S., Phillips C.A., Richardson D.,
Incidelberg J.J., Satton G.G., Prott M.S., Phillips C.A., Richardson D.,
Salzberg S.L., Smith H.D., Venter J.C., Fraser C.M.;
"Evidence for lateral gene transfer between Archaea and Bacteria from
Genome Seguence of Thermotoga maritima.";
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15 JUN-2002 (Rel. 41, "reated)
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! FUNCTION: Catalyzes
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P46947:
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Hypothetical (0.5 kDa protein in SAEZ KEM) interquire region.
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Yeast 11:1187-1194 (1995).
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"The Sequence of an 11.1 kb traument on the left arm of Faccharomyces
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SERIOUS 1110457; Pabmed 1117464; State 111746; State 111746
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I5 JUN-2002 (Rel. 41, Created)
15 JUN-2002 (Rel. 41, Last segmence update)
15 JUN-2002 (Rel. 41, Last aggregated)
15 JUN-2002 (Rel. 41, Last aggregated)
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PUNCTION, REPORTED THE CELL RECEPTOR: SERVES AS THE LIGAND

HETWIEN LIB ADENOVIRUS SAISID AND THE BUSI CELL RECEPTOR.
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This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the European Bioinformatics institute. There are no testicitous on its and by pon profit institutions as long as its content is in no way

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Best Local Similarity 43.5%; Pred. No.
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PRINTS: PRODUCT: PATREHOX.
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SMARI: SM00 81: PAX: 1.
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PROSURE: PS00024; PAIRELEOX: 1.
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01-JUN-2002 (TrEMBLrel, 21, Last sequence update)
01-JUN-2002 (TrEMBLrel, 21, Last annotation update)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Ebringer M.A., Thompson J., Courby O., Xu Y., Yang F., Canniff J., Reeson M., Gordon L., Bennett B., Johnson F.E., Sikela J.M.; "High throughput sequence identification of gene coding variants within alcohol-related QILs.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CREB-binding protein (Fragment). Mus mischius (Mouse).
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Ehrinder M.A., Thomp
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MEDLINE-21464810; PubMed-11471062;
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don L., Bennett B., Johnson E.E., Sikela J.M.:
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"Acteeth differences assaud the IPS biosyntheth. For hot serogars laying the interroduce and Leptospira borquetersenit,"; solumited (affiguad) to the EMBL/AbaRank/DEPI databases EBI - Pill AKETRACTA.
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Interfere Labolizes digessitranstillation of the State Stock transfill in the State Stock transfill in the State S
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Of JUN-2-01 (BERMETON, 17, Created)
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BERMETON, 45, KDa protein.
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C_{\rm c} Reportson R., Dack) speaker
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93 - Print (914-94) (914-94) (914-94)3;
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Best Local Similarity 54.2%;
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                                           Adais M.D., Ccinick L. S., Bolt S.A., Evans J.A., Gregger J.B., Annanatides P.G., Scherer S.E., Li Y.W., Hoskins R.A., Galla R.F., Goorge R.A., Lewis S.E., Kichards S., Ashburner M., Henderson S.N., Stotlan G.G., Wertman J.B., Yamehil M.F., Zhare v. Jen J.X., Preither B.D., Brandon R.C., Rogers Y. H.C., Blazel J. R.G., Champe M., Pleither B.D., Was & H. Ewglas J. Parker P. H. Jevis B. M. J. A., Preither B.D., Rolley R.M., Base A., Baxendale J., Anjankan A., L., Bentsey S.M., Barley R.M., Base A., Baxendale J., Anjankan A., L., Bentsey S.M., Beness R.V., Bennos B.V., Bentsek B.J., Baseler B., Baseler
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de la Pena-Moctezuma A., Rulach F.M., Adler B.?
"Genetic differences among the 118 prospitable for loci of Leptospira interrogans and Leptospira borupatersenii.":
FEMS immunol. Med. Microbiel. 31:74 81(2001).
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01-MAS 2002 (TrEMBLIGH, 20, List additables update)
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01-MAR-2002 (TERMHITOL 20, List seq
                            Borkova D., Botekin M.R., Bouck J.
                                                                                                                                                                                                                                                                                                    MEDLINE=20196006; PubMed=10731132;
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01:NOV:1996 (TrEMBLIEL 01, Created)

01:NOV:1996 (TrEMBLIEL 01, Last sequence update)

01:DEC:2001 (TrEMBLIEL 19, Last annotation update)

Bypothetical 15.6 kba protein.
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Bukaryota: Viridiplantae: Streptophyta: Embryophyta: Trachoophyta: Spermatophyta: Magnoliophyta: endicoty:edoms: core endicots: Rosidae; curosida II; Brassicales: Brassicace. Arabidopsis.
MCMI_laxID 3702:
"Direct Submission.";
Cabultted (JUN 2001) to the EMMA/Senbank/Udial databases
EMMAL UB9676; AAB (2004).1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 "Genome sequence of the nematode C, elegans: a platform for investigating biology, the C, elegans Sequencing Consortium Science 262:2012-2018(1998).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Eukaryeta; Metazoa; Nematoda; Chromadcrea; Khabditida; Khabditoidea; Khabditidae; Peloderinae; Caenorhabditis.
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01 JUN 2002 (TERMINITOL 21, Last sequence update)
01-JUN 2002 (TERMINITOL 21, Last annotation update)
Hypothetical 22.4 km protein.
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                                                                                                                    Waterston R.:
                                                                                                                                                                                                       SEQUENCE PERM N.A.
                                                                                                                                                                                                                                                                     "The sequence of C. elegans cosmid CLSF(Z.")
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'SI MAF 2002 (HEMMRITO), 20, Last annotation update)
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FROSTIE: PSOOTT: LIM, FOMAIN_2; 2.
LIM, Fomain: Motal-binding: Zino.
SECTENCE 189 AA: 20812 MM; 2708
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SMARC, SMOOTES, LIM, 2.
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Stimitted (SEP-1995) 15, FME Tabacca, THE LIM LOMAIN BINDS 2 ZINC SIMILARITY: CONTAINS 2 LIM DOMAINS. THE LIM LOMAIN BINDS 2 ZINC
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Pokaryona: Varidiplantae: Strepnophyta: Emeryophyta, Trachcophyta, Spenmanophyta: Maunoliophyta: endicotyledoms: core endicots; Asteridae: coasterids i: Solanales, Solanaceae: Nicotiana.

Nicolaxio 4cc7:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SIRAIN OV. SAMSON:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Submitted (FEB-1997) to the EMBL/GenBank/DDBJ databases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STRAIN BENGHI YELIJAW 2: LISSUE-SYNCHRONISED CELL SUSPENSION CULTURE; STOR. W.H., SIJOH C.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SECHENCE FF.M.N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SHEET OF WILES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SECRETARY 114 (AA): ISELL MW: 1789EBOBC8A6536E CRC64:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     JM desain SP3 protein.
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MAY-1907 (FrEMHIRE) 03, Last sequence update)
THEN 2001 (TrEMHIRE) 09, Last unnotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               110,011
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Mespitera: Endopterygota: Diptera: Brachycera: Miscomorpha:
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RA Spier E., Spradling A.C., Stappeton M., Strong R., Sun E.,

RA Spier E., Spradling A.C., Stappeton M., Strong R., Sun E.,

RA Spier E., Spradling A.C., Stappeton M., Strong R., Sun E.,

RA Williams S.M., Woodage T., Worley K.C., Wh. D., Yang S., Yao Q.A.,

RA Williams S.M., Woodage T., Worley K.C., Wh. D., Yang S., Yao Q.A.,

RA Williams S.M., Woodage T., Worley K.C., Wh. D., Yang S., Yao Q.A.,

RA Ye.', Yoh P.-Y., Sarcti J.C., Shah M., Zhang G., Zhoo Q., Zhoug H.,

RA Chell X.H., Shong F.K., Shong W., Zhou X., Zho X., Smith H.).

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RA Chell X.H., Shong F.K., Shong W., Zhou X., Zhou X.
                                                                                                                                                                      Query Match 31.6%; Score 5): Dk 5; Length 402: Bost Local Similarity 64.7%; Fred. No. 25; Marches 11: Conservative 1: Midmatches 5; Indols
                                                                                                                                                                                                                                                                                                                                                                                                                                           Pfam: PF00561; abhydrolase; ].

RRINTS; PR00111; ABHYDROLASE.

PRINTS; PR00412; EPOXHYDBLASE.

PROSITE; PS00120; LIPASE_SER; OHKESKN_1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FlyBase: FB0000373; Abhydrolase.
InterPro: IPR000073; Abhydrolase.
InterPro: IPR000089; AB_hydrolase.
InterPro: IPR000389; Box.hydrolase.
InterPro: IPR000374; Lipase.
InterPro: IPR000379; Ser_estrs_site.
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NCBL_TaxID-7227;
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282 ADEKKENTIKSITEAAN 299
                                                                                             5 ADGYSPNLPKSTTKAAK 21
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Characteristic States for the CACAC Location (473)
pp. 13 on Characteristic Constitution Front No. 1923
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